



5519

SFUND RECORDS CTR
2132013

Response of RJ Lee Group

to the

United States Environmental Protection Agency Region IX

Response (dated April 20, 2006) to the November 2005

National Stone, Sand & Gravel Association Report

Prepared by the R.J. Lee Group, Inc [sic]

**"Evaluation of EPA's Analytical Data from the
El Dorado Hills Asbestos Evaluation Project"**

Regarding

Evaluation of EPA's Analytical Data

from the El Dorado Hills

Asbestos Evaluation Project

Exhibit A

Attachment A-4a

TEM and FESEM Particle Images and Data

Date: July 2006

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Exhibit A: Attachment A-4a

TEM and FESEM Particle Images and Data

1.0 Data Description

Samples were analyzed by Transmission Electron Microscopy (TEM) and Scanning Electron Microscopy (SEM). Particles identified and characterized in one instrument (i.e., TEM or SEM) were relocated and further characterized in the other. Photographs and data collected are shown in the following pages.

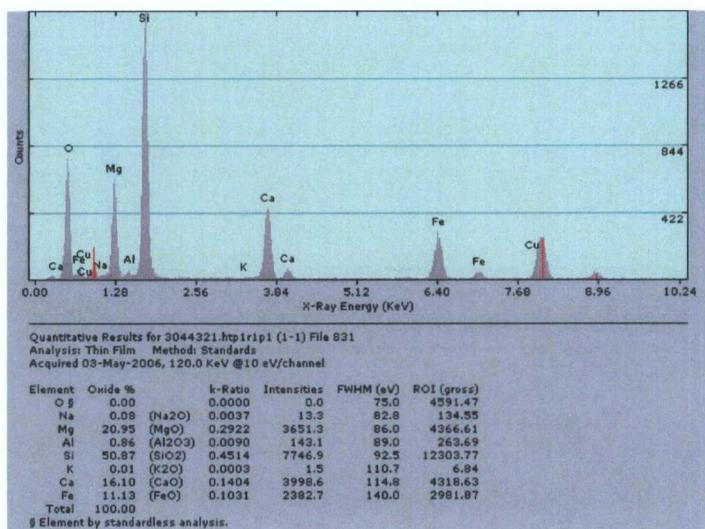
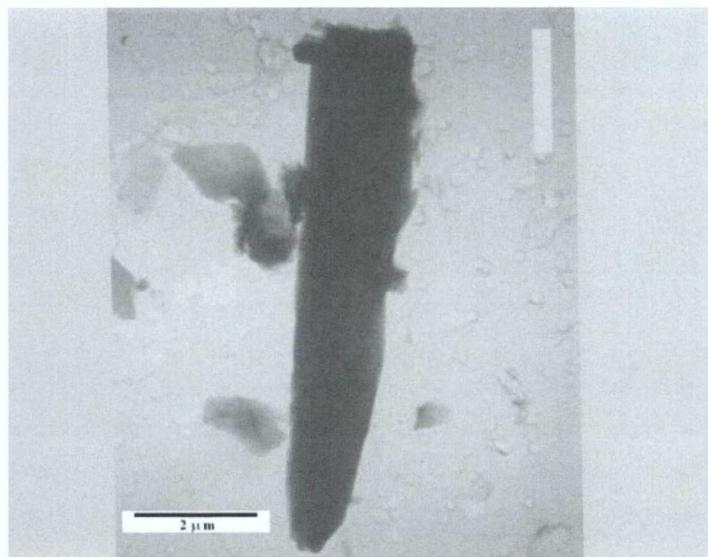
- The data for each particle is shown on a separate page.
- The SEM image is shown on the upper left and the TEM image of the same particle is shown on the upper right.
- Elemental composition of the particle was determined using Energy Dispersive X-ray Spectroscopy, EDX (also referred to as EDS). The spectrum from the EDX analysis is shown on the lower left.
- The length, width and aspect ratio of the particle is listed on the lower left beneath the EDX spectra.
- The SAED pattern is shown on the lower right. The indexed crystallographic zone for the pattern is shown below the pattern along with the measured spacing between diffraction spots (D1 and D2) and the enclosed angle (Φ).
- Identifying information for each particle is shown in the lower center of the page. This information includes the RJLG sample number, the field and fiber number and the sample identifier upon receipt.
- Stereo images, collected for some particles, are shown on the page following the SEM/TEM data for each particle. A stereo image of the complete particle is shown in the upper left. An additional high magnification stereo image, collected to show particle details, is shown on the upper right.

2.0 Analytical Procedure

TEM analysis was conducted using JEOL JEM 1200EX and JEM 2000FX TEMs operating at 120kV with energy dispersive spectroscopy (EDS) detectors running 4Pi for EDX quantification. TEM characterization included the collection of images, EDX spectra and SAED patterns.

SEM analysis was conducted using a FEI Sirion 400 field emission scanning electron microscope operating at 3keV. Samples were mounted for FESEM examination using a dual grid holder (EM-Q2 Quick Change Retainer) designed for use with a JEOL TEM sample rod. The dual grid holder was mounted with set screws between two aluminum plates that were adhered to a 1" aluminum SEM pin mount stub. Secondary electron images of particles were collected using the "Through the Lens Detector" (TLD). Stereo images were created for particles by superimposing images collected at 0° tilt (tinted red) with images collected at 5° tilt (tinted green)¹.

¹ Goldstein, J.I., Newbury, D.E., Echlin, P., Joy, D.C., Romig, Jr., A.D. Lyman, C.E., Fiori, C., Lifshin, E. (1992), 'Scanning Electron Microscopy and X-Ray Microanalysis: A Text for Biologists, Materials Scientists, and Geologists', Plenum Press, New York, p. 260-267.



L = 12.15 W = 2.25 AR = 5:1

Mineral category: Amphibole

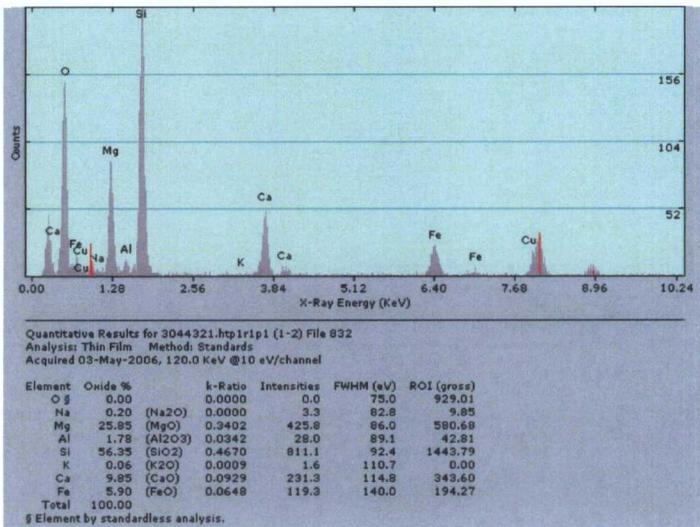
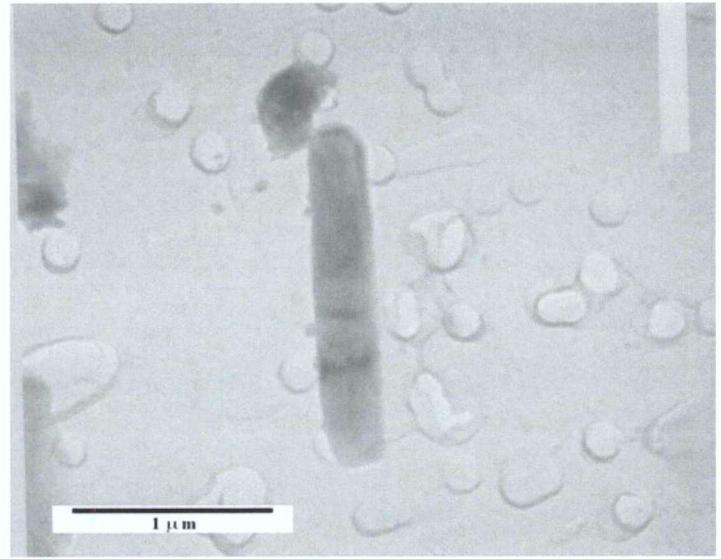
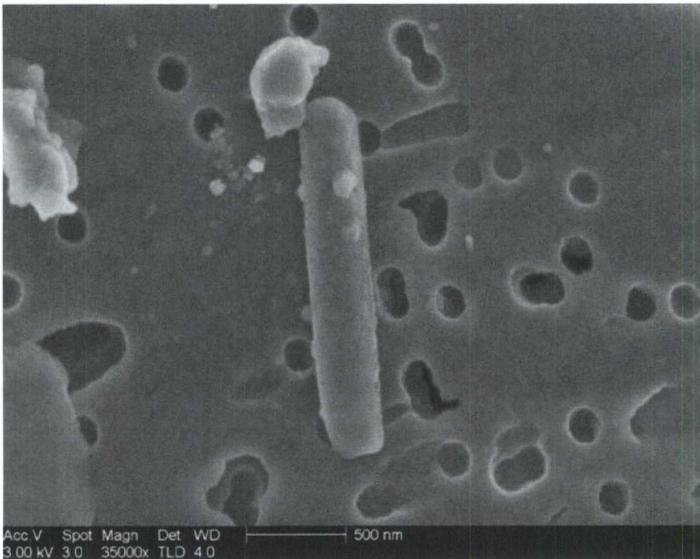
Zone 311

D1 5.19

Phi 81.5

D2 2.57

RJLG # 3044321 Field 1, Fiber 1
 CPS-S05-100804-FG2 -- Soil



L = 1.9 W = .25 AR = 8:1

Mineral category: Amphibole

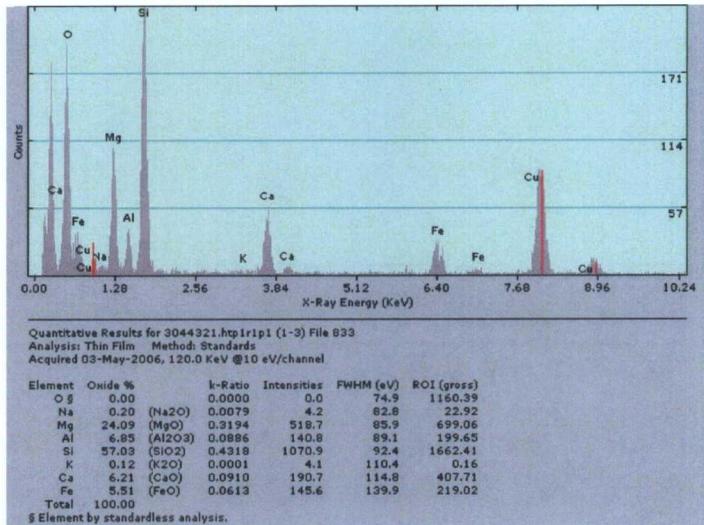
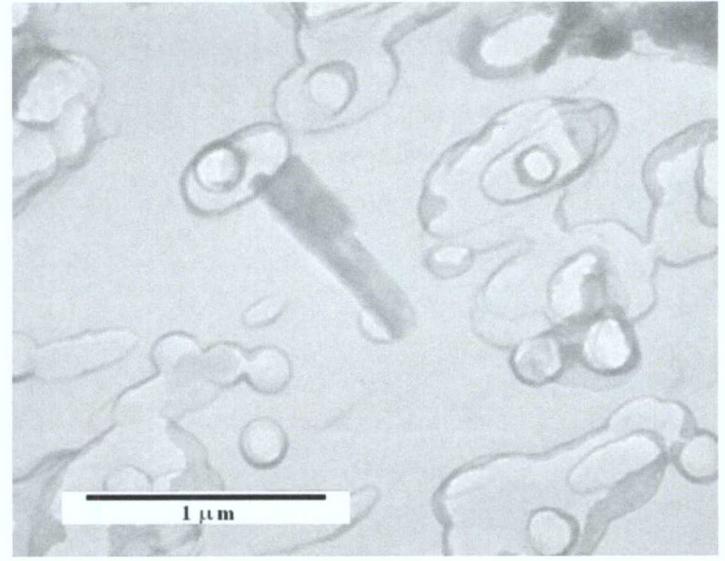
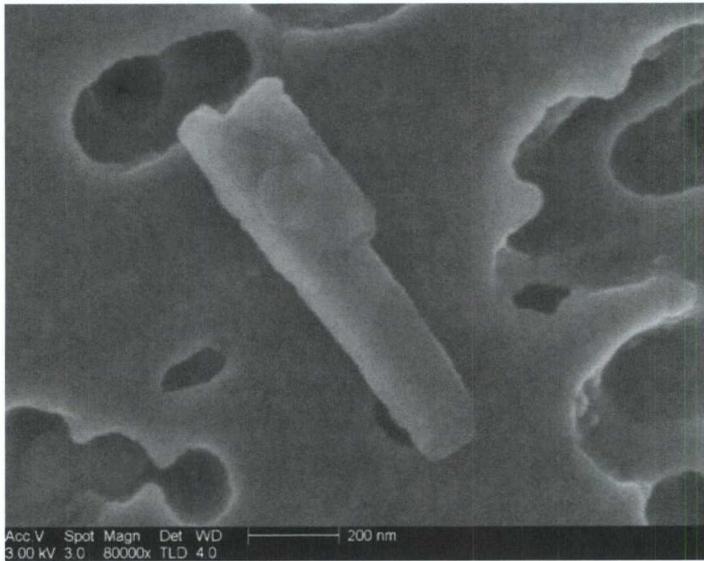
Zone 510

Phi 90

D1 5.25

D2 3.46

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 CPS-S05-100804-FG2 -- Soil

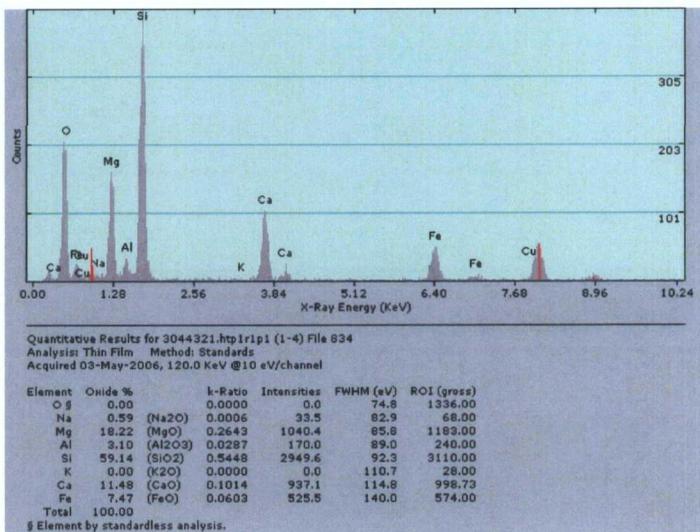
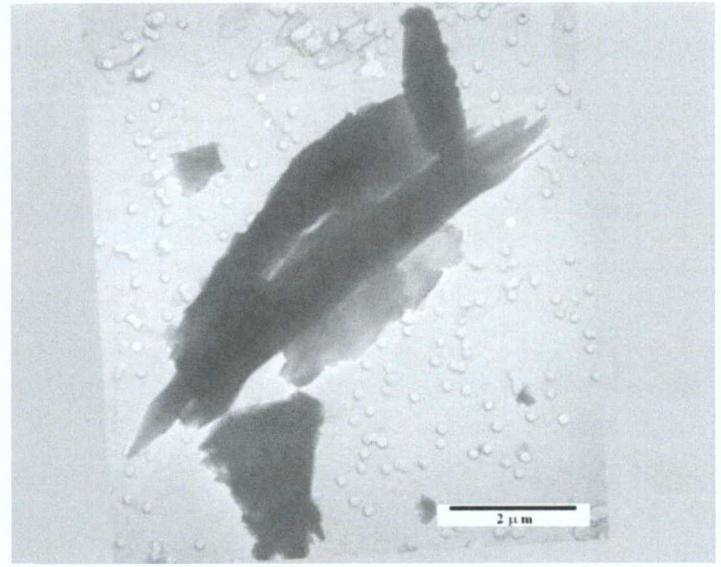
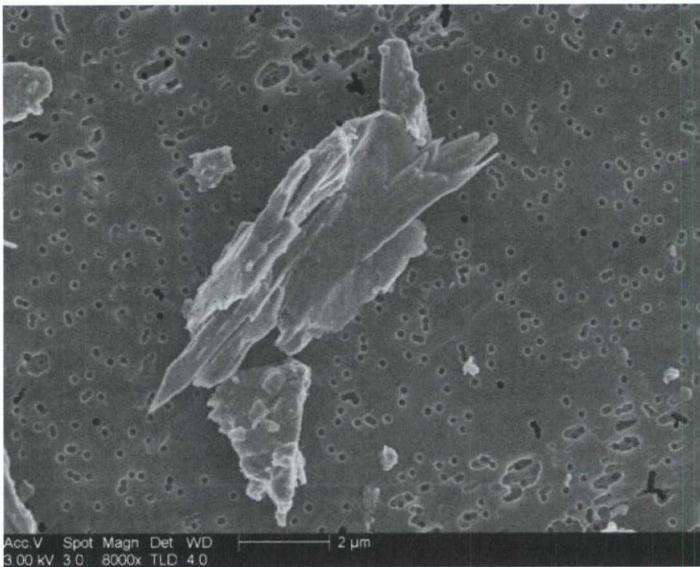


L = 1.1 W = .2 AR = 6:1

Mineral category: Amphibole

Zone	102	D1	9.3
Phi	89.9	D2	4.13

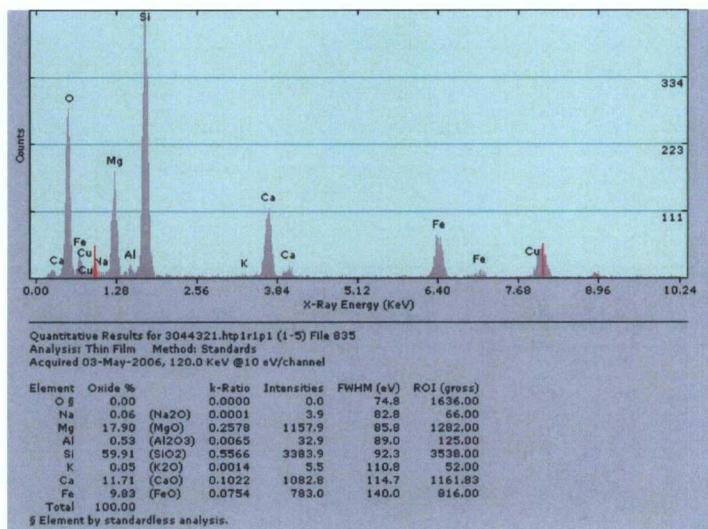
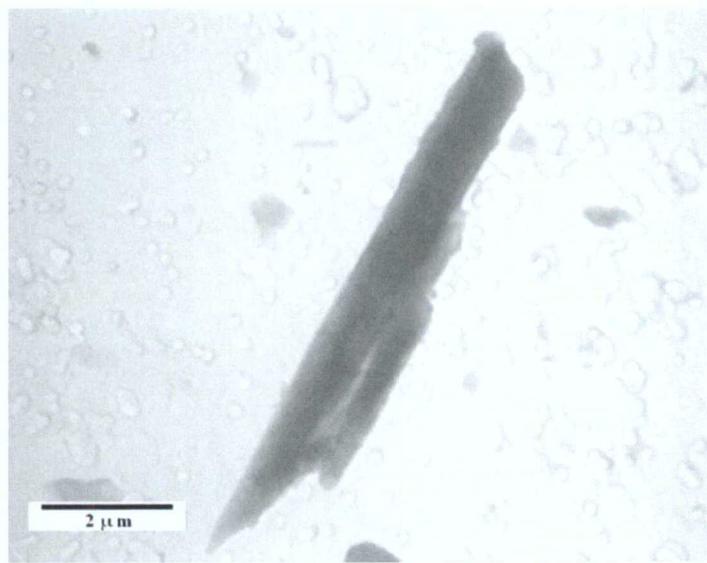
RJLG # 3044321 Field 1, Fiber 3
 CPS-S05-100804-FG2 -- Soil



L = 10.5 W = 1.1 AR = 10:1
 Mineral category: Amphibole

Zone 20-3 D1 9.29
 Phi 8.4 D2 1.79

RJLG # 3044321 Field 1, Fiber 4
 CPS-S05-100804-FG2 -- Soil

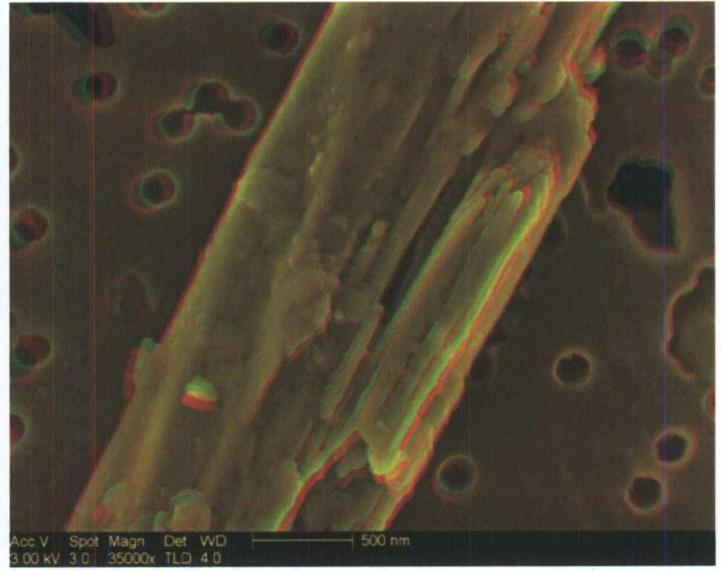
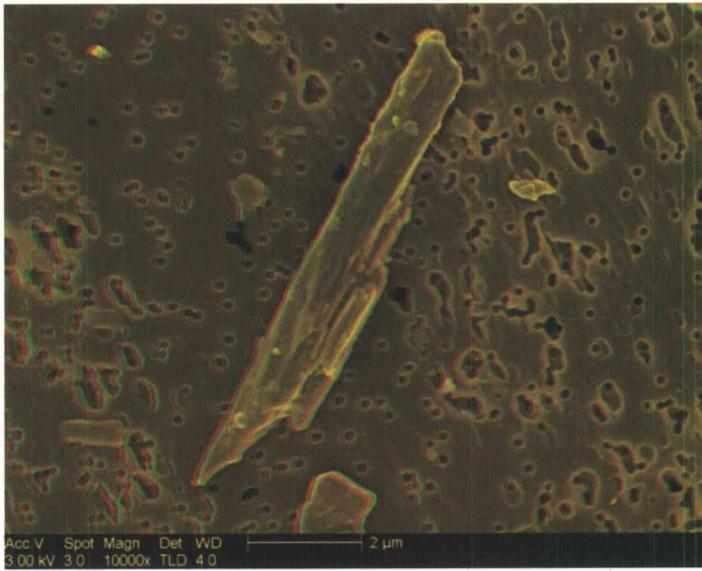


L = 10 W = 1 AR = 10:1

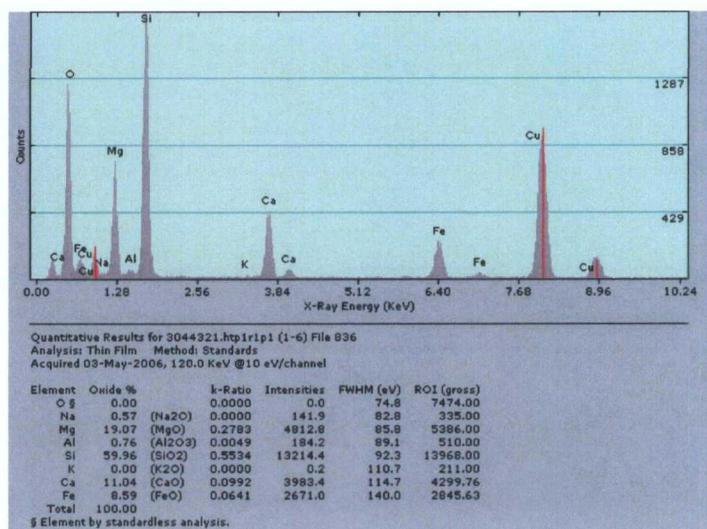
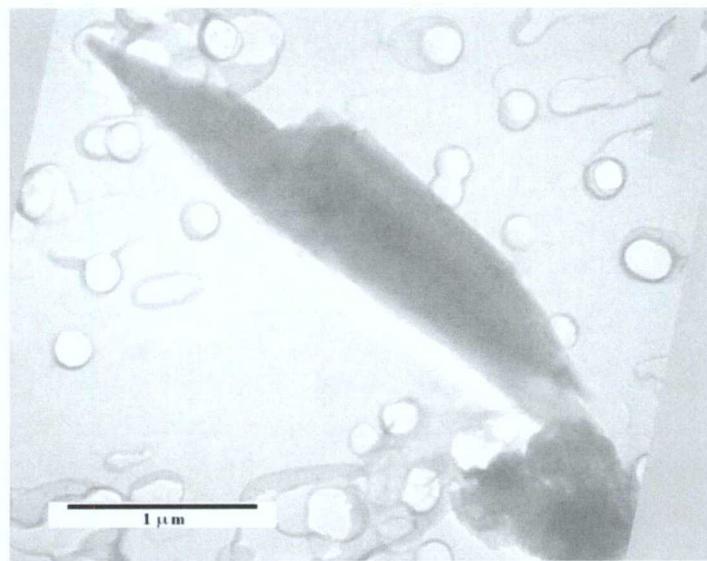
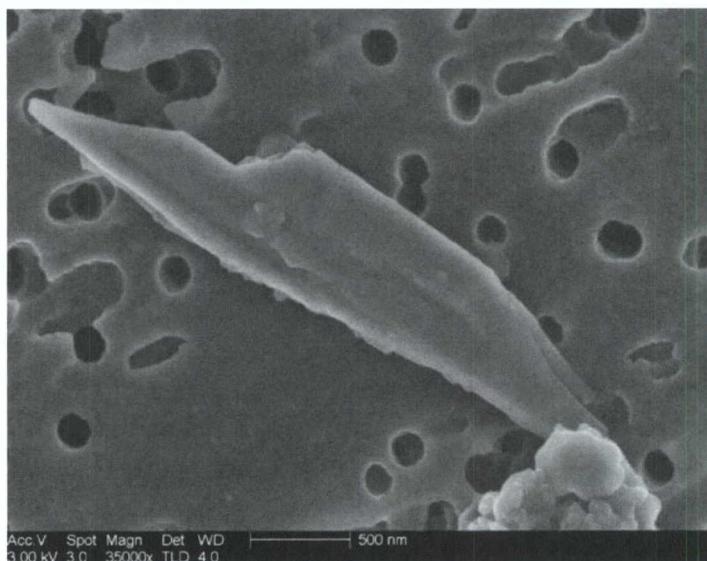
SAED not measured

Mineral category: Amphibole

RJLG # 3044321 Field 1, Fiber 5
CPS-S05-100804-FG2 -- Soil



RJLG # 3044321 Field 1, Fiber 5
CPS-S05-100804-FG2 -- Soil

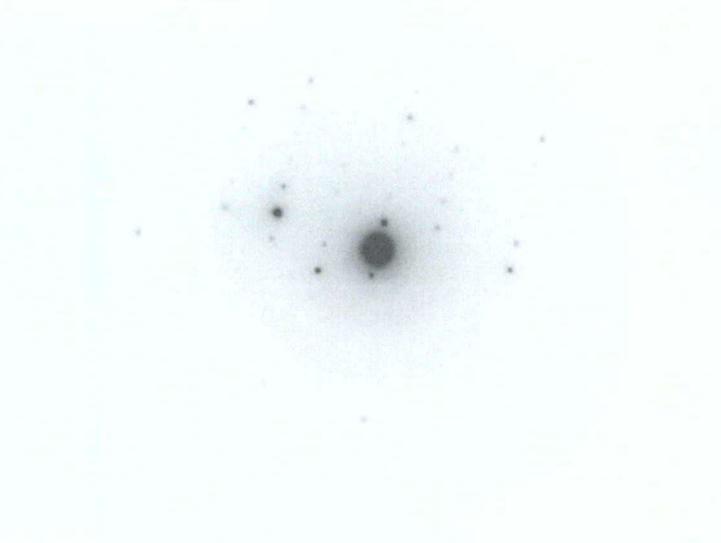
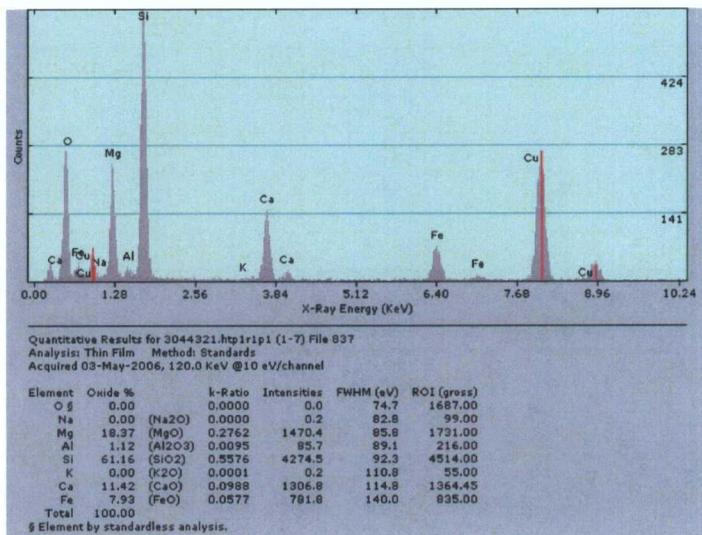
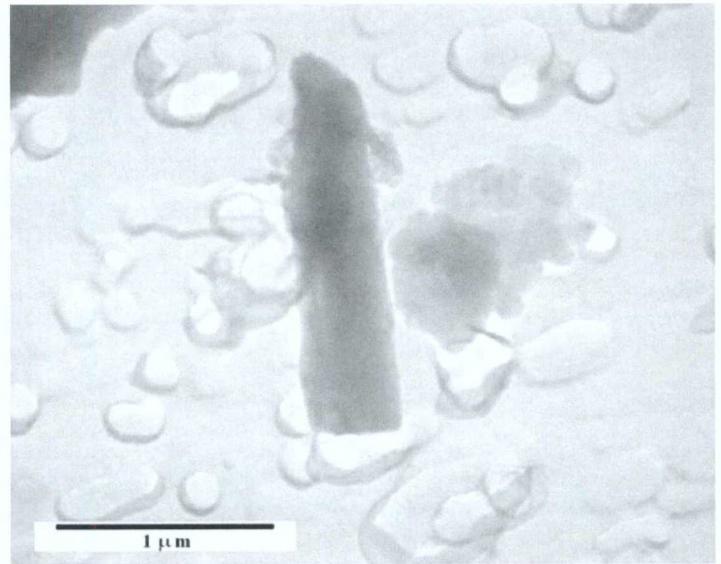
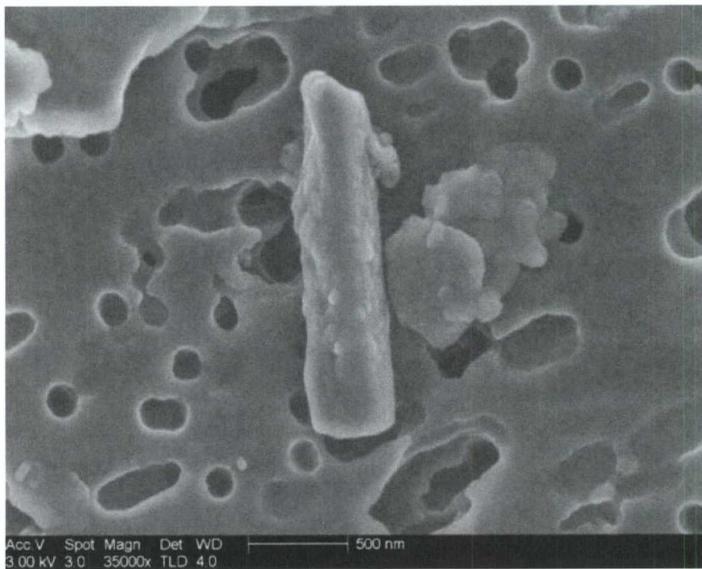


L = 3.25 W = .6 AR = 5:1

Mineral category: Amphibole

Zone	201	D1	9.22
Phi	81.5	D2	2.68

RJLG # 3044321 Field 1, Fiber 6
CPS-S05-100804-FG2 -- Soil



L = 2 W = .4 AR = 5:1

Mineral category: Amphibole

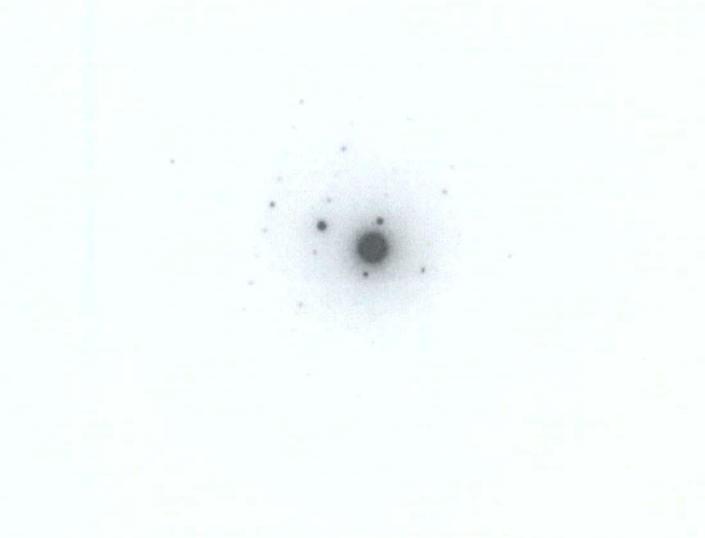
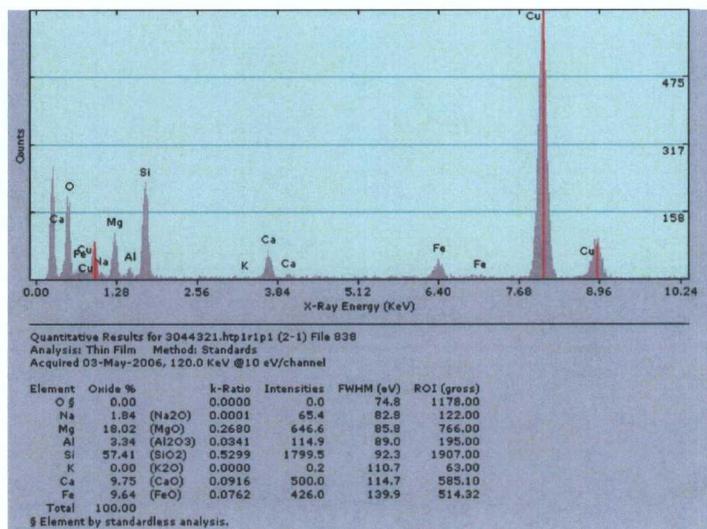
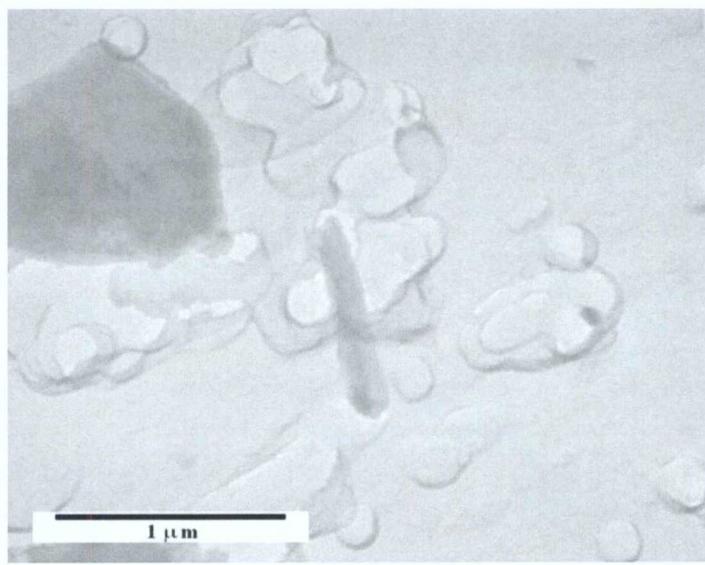
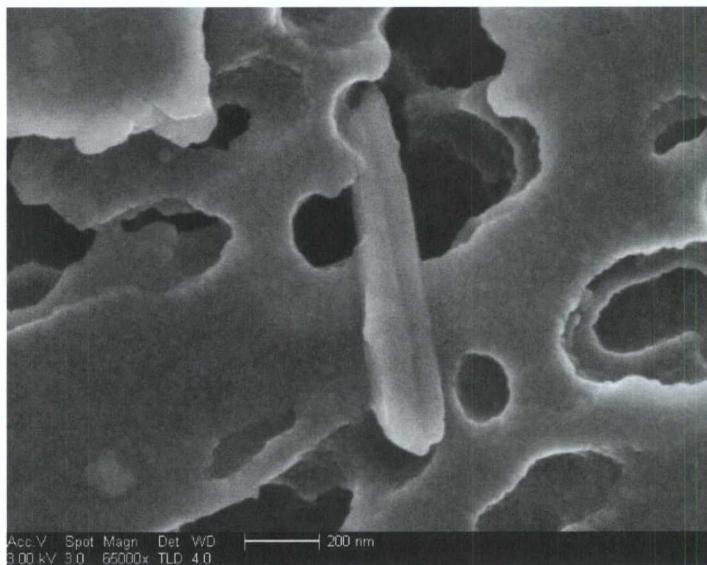
Zone 311

D1 5.2

Phi 82.3

D2 2.68

RJLG # 3044321 Field 1, Fiber 7
 CPS-S05-100804-FG2 -- Soil



L = 1 W = .15 AR = 7:1

Mineral category: Amphibole

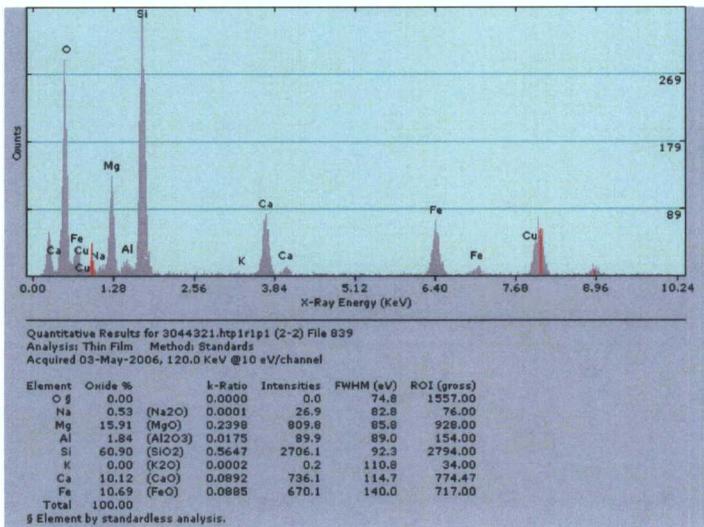
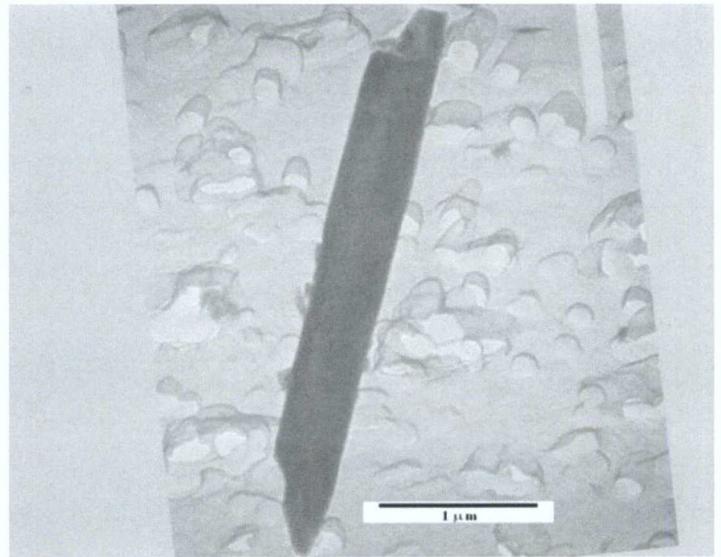
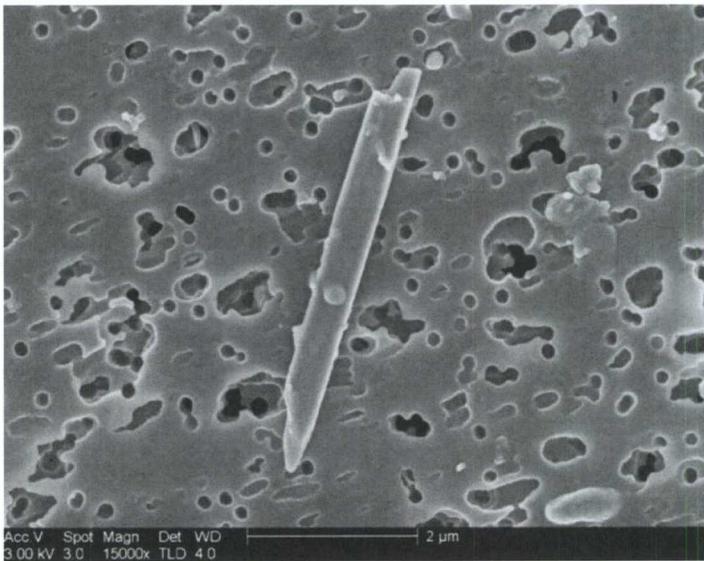
Zone 311

Phi 82.1

D1 5.23

D2 2.61

RJLG # 3044321 Field 2, Fiber 1
 CPS-S05-100804-FG2 -- Soil



L = 4.75 W = .5 AR = 10:1

Mineral category: Amphibole

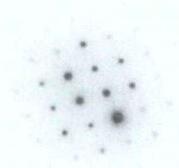
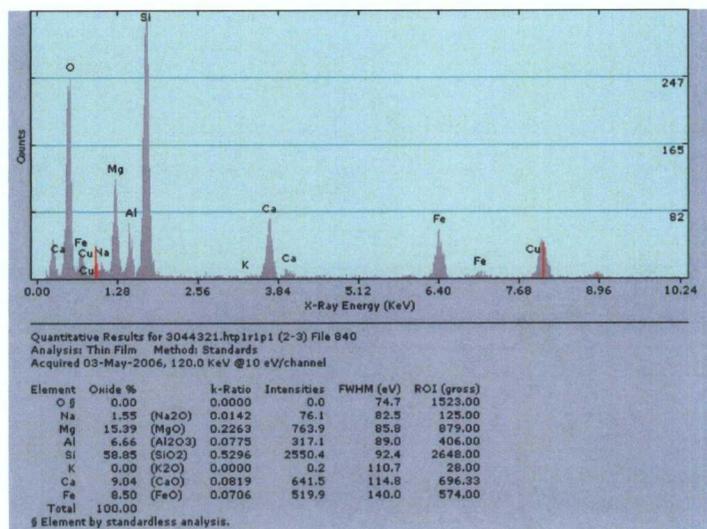
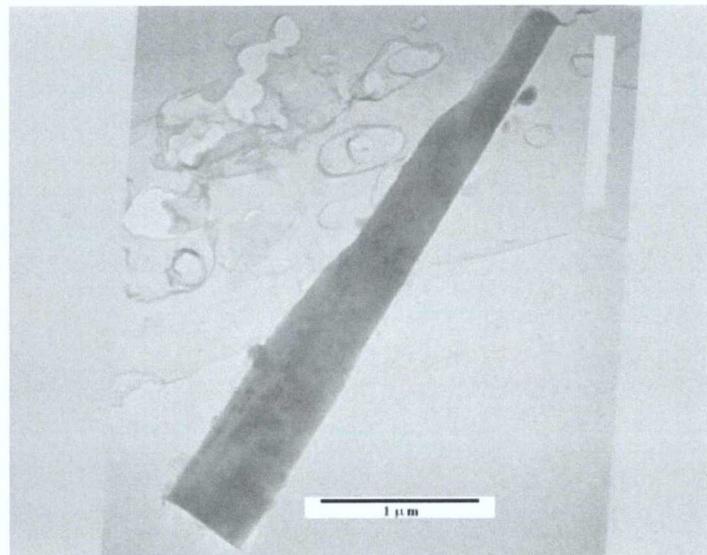
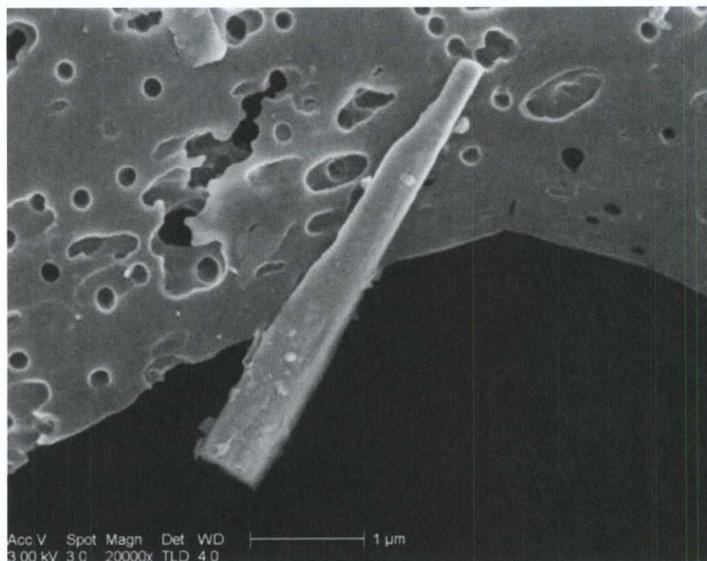
Zone 10-1

Phi 77.5

D1 9.23

D2 4.07

RJLG # 3044321 Field 2, Fiber 2
 CPS-S05-100804-FG2 -- Soil



L = 5.1 W = .45 AR = 11:1

Mineral category: Amphibole

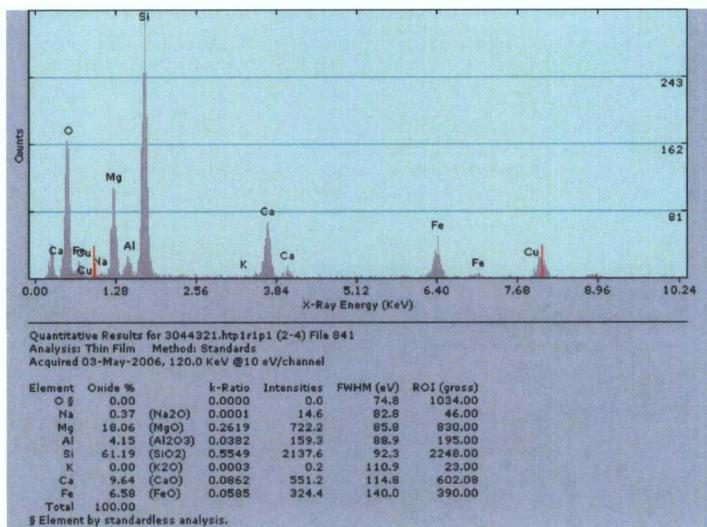
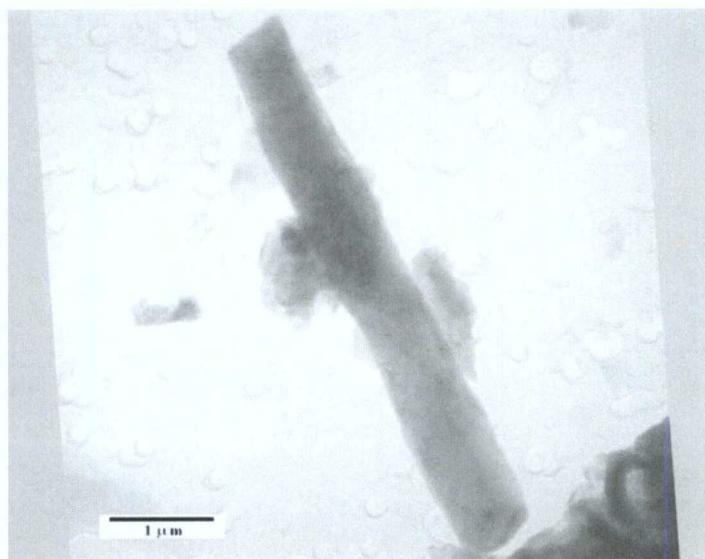
Zone 310

D1 5.23

Phi 82.3

D2 5.23

RJLG # 3044321 Field 2, Fiber 3
 CPS-S05-100804-FG2 -- Soil

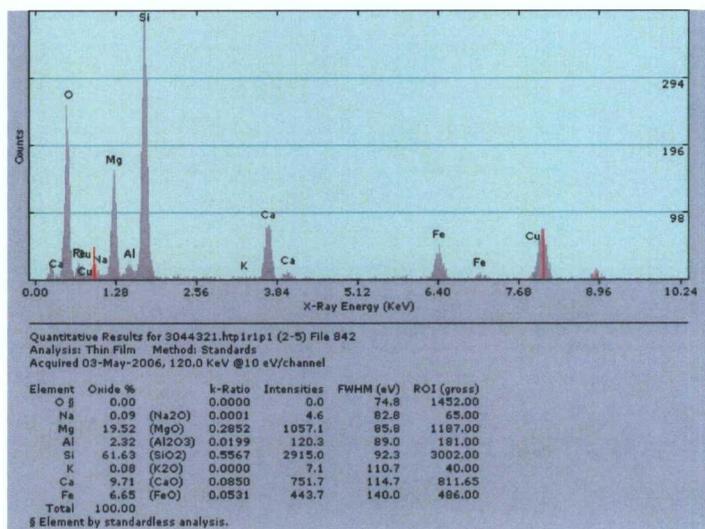
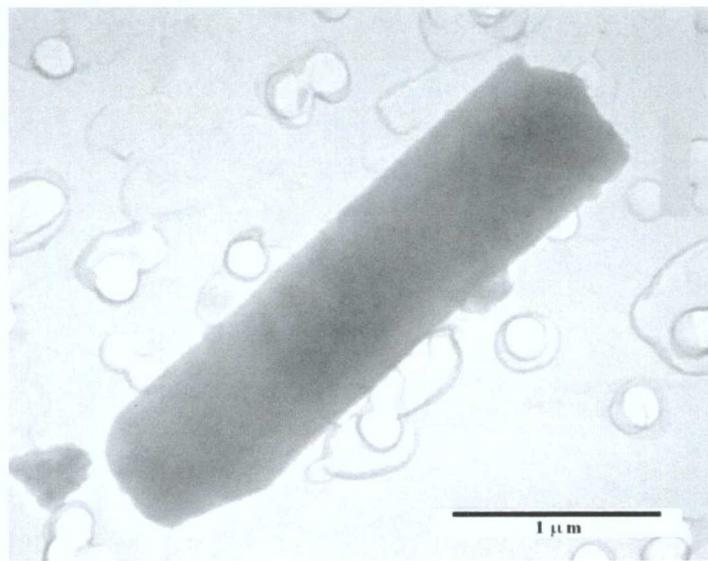


L = 7.75 W = .75 AR = 10:1

Mineral category: Amphibole

Zone 10-3 **D1** 9.28
Phi 83.6 **D2** 2.37

RJLG # 3044321 Field 2, Fiber 4
 CPS-S05-100804-FG2 -- Soil



L = 3.5 W = .75 AR = 5:1

Mineral category: Amphibole

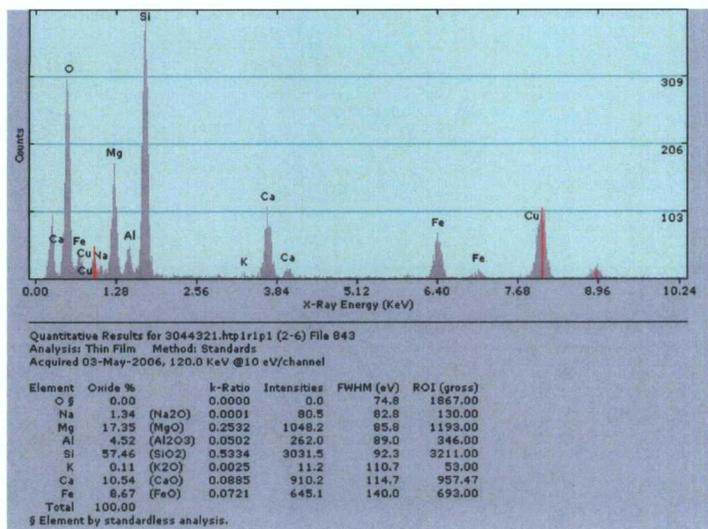
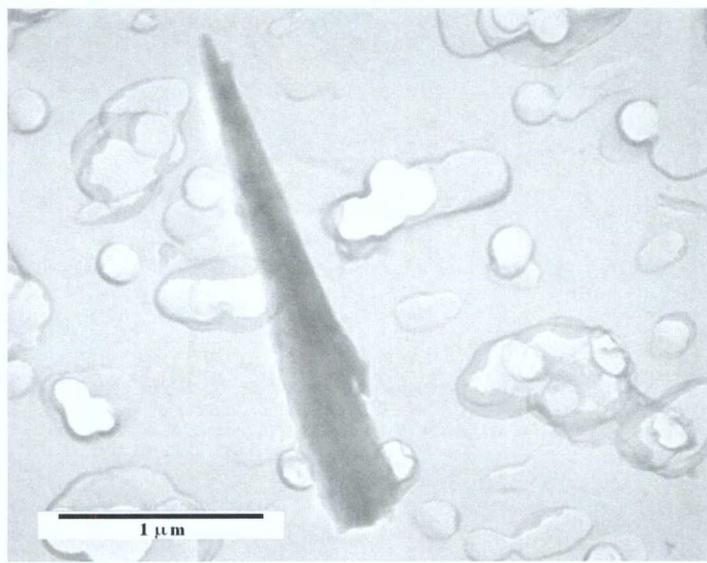
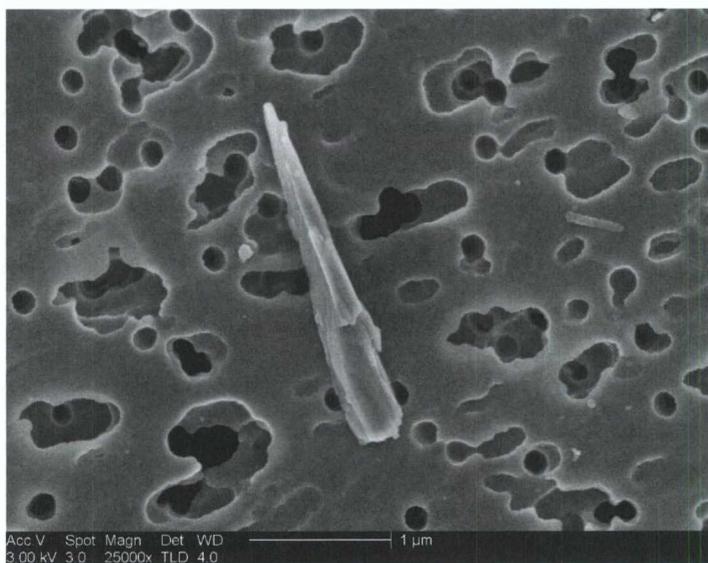
Zone 113

Phi 89.9

D1 8.59

D2 2.26

RJLG # 3044321 Field 2, Fiber 5
 CPS-S05-100804-FG2 -- Soil

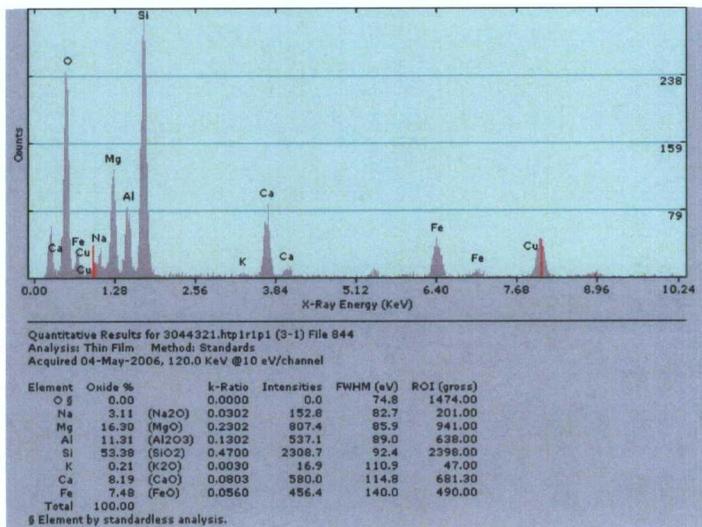
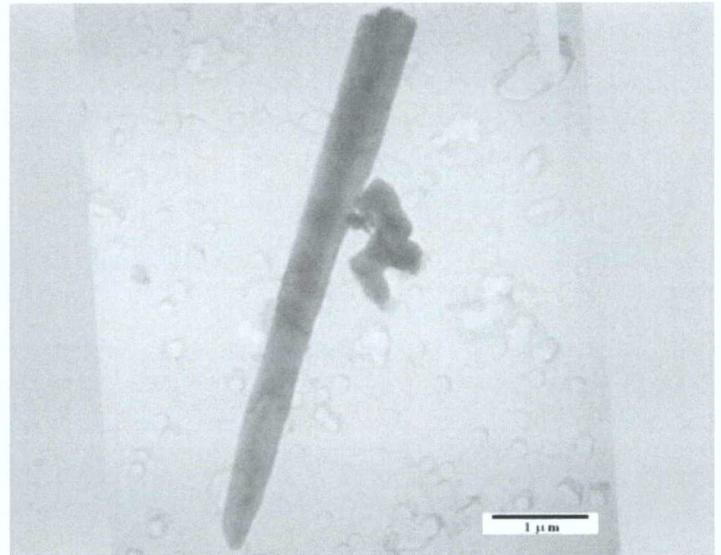


L = 2.52 W = .28 AR = 9:1

Mineral category: Amphibole

Zone	None Found	D1	8.78
Phi	85	D2	3.56

RJLG # 3044321 Field 2, Fiber 6
 CPS-S05-100804-FG2 -- Soil

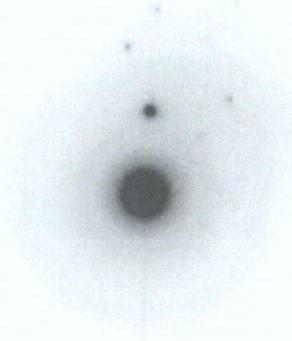
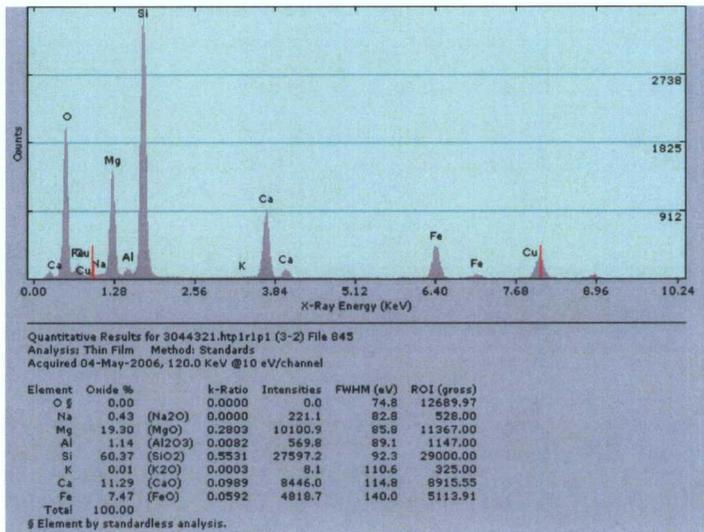


L = 8.5 W = .5 AR = 17:1

Mineral category: Amphibole

Zone 101 D1 9.16
 Phi 74.7 D2 5.08

RJLG # 3044321 Field 3, Fiber 1
 CPS-S05-100804-FG2 -- Soil



L = 3.75 W = .4 AR = 9:1

Mineral category: Amphibole

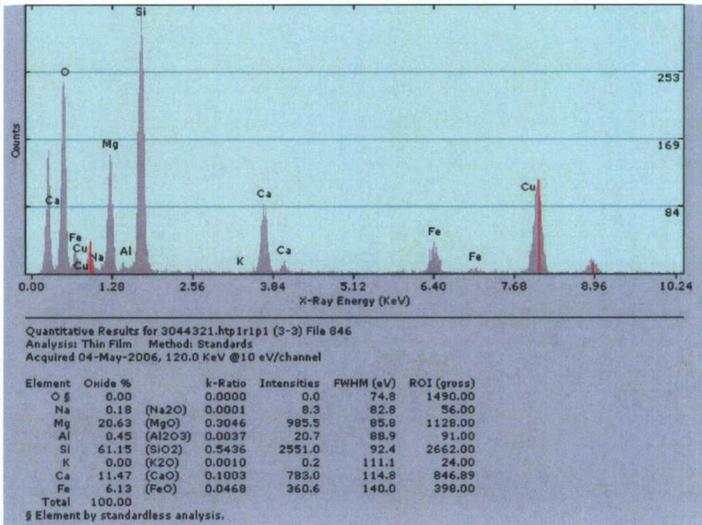
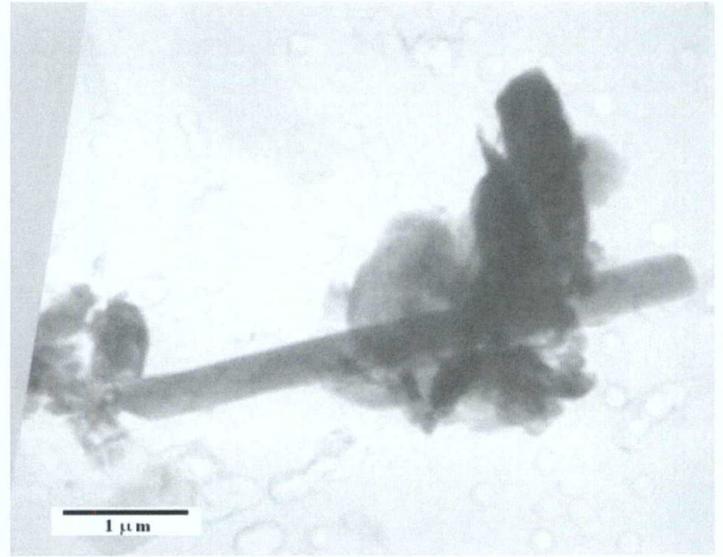
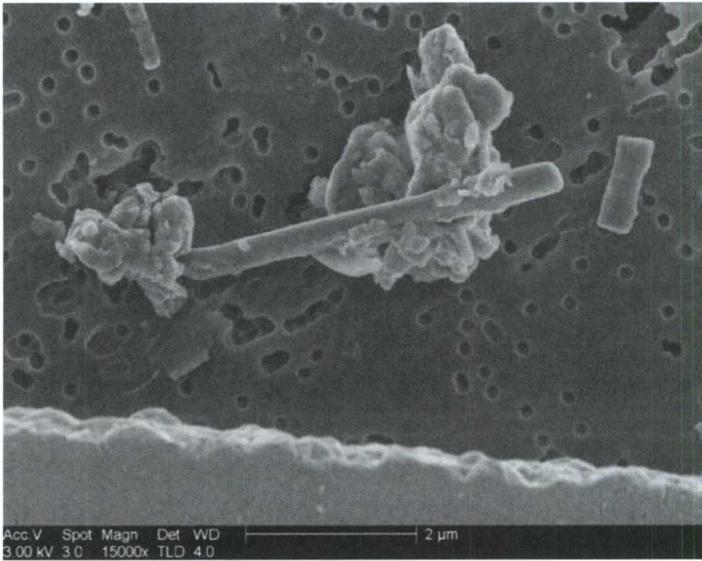
Zone 133

D1 3.04

Phi 78

D2 2.47

RJLG # 3044321 Field 3, Fiber 2
 CPS-S05-100804-FG2 -- Soil

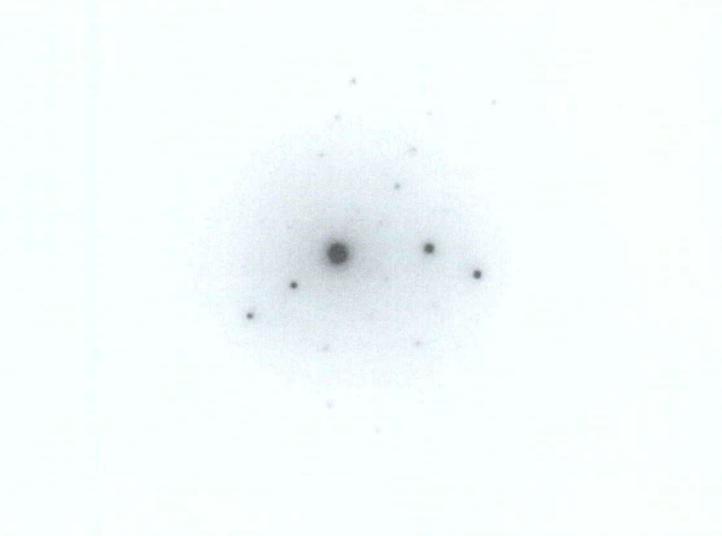
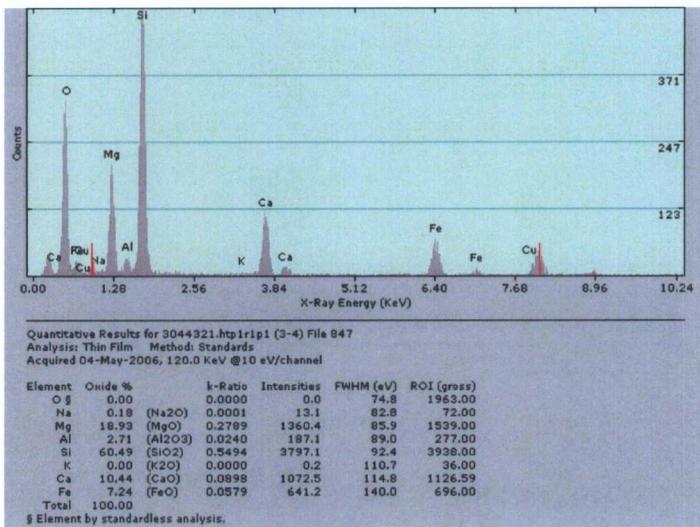
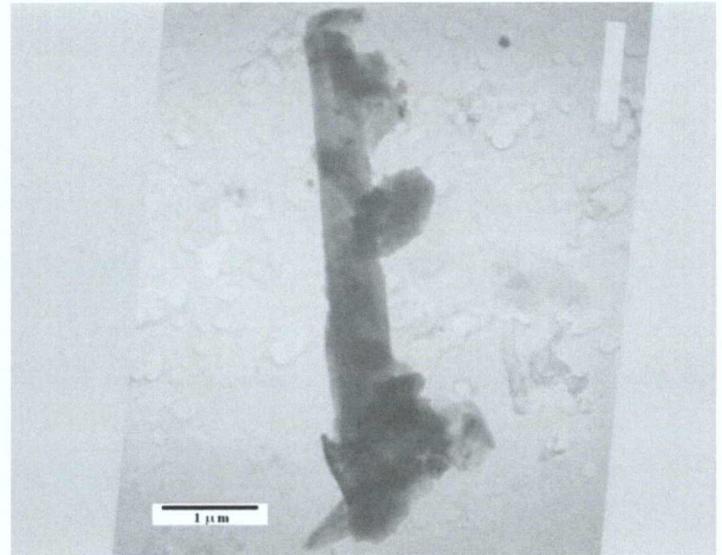
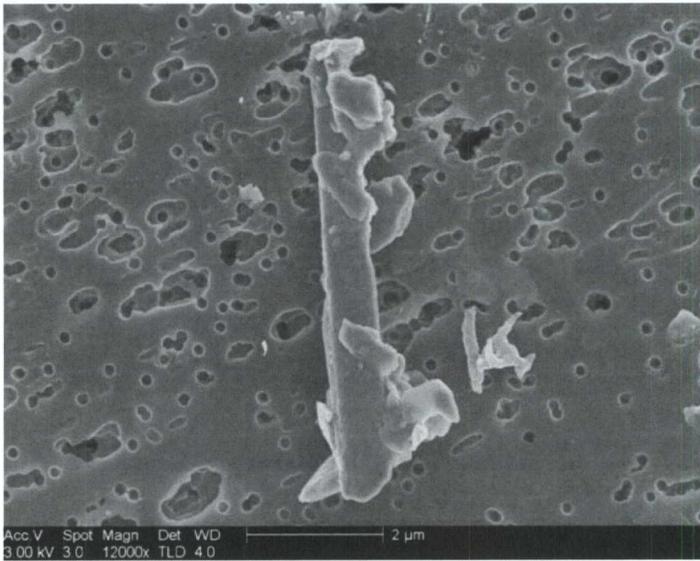


L = 2.5 W = .35 AR = 7:1

Mineral category: Amphibole

Zone 213 D1 4.96
 Phi 89.1 D2 3.39

RJLG # 3044321 Field 3, Fiber 3
 CPS-S05-100804-FG2 -- Soil

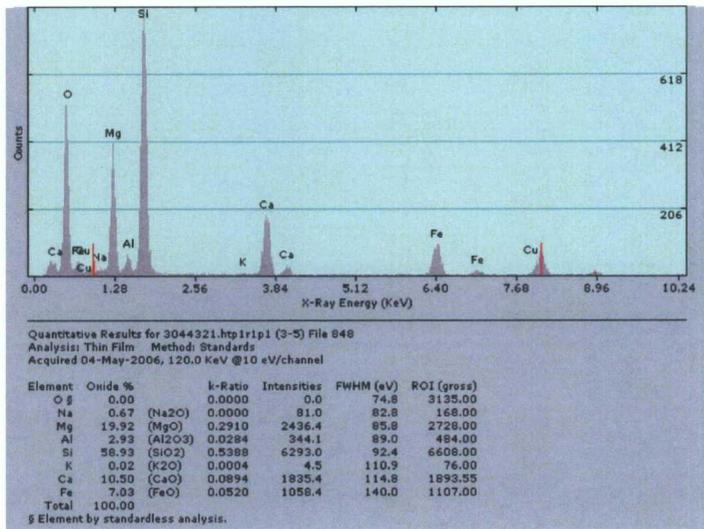
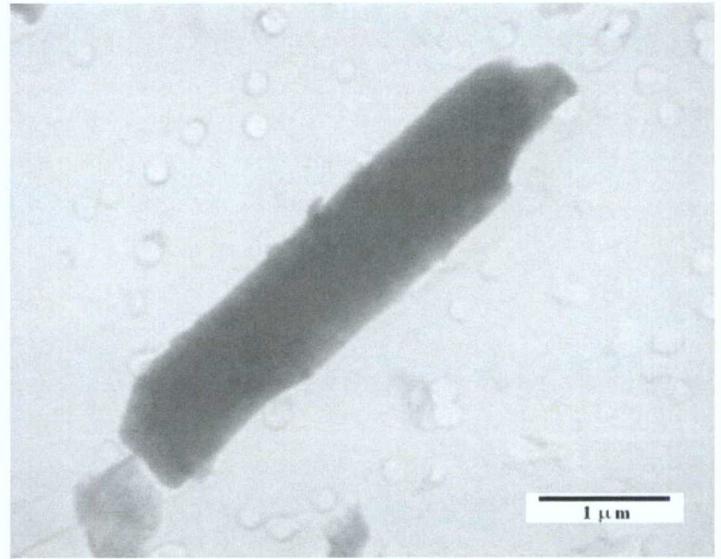
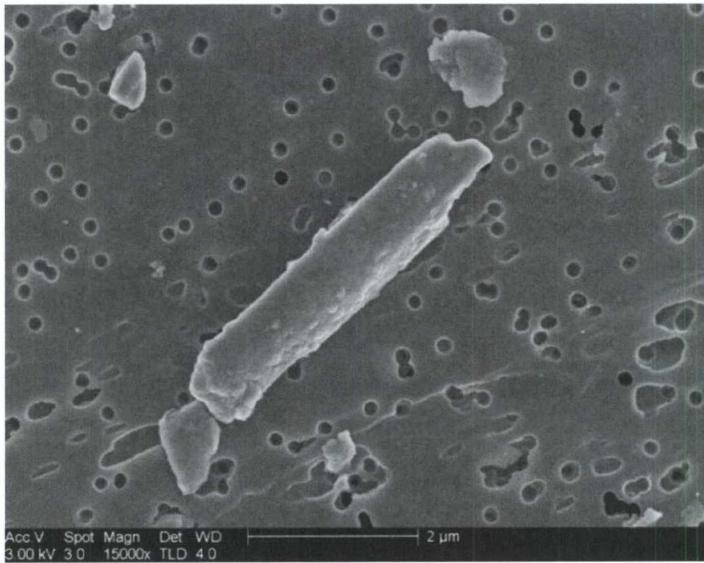


L = 6.5 W = .7 AR = 9:1

SAED not measured

Mineral category: Amphibole

RJLG # 3044321 Field 3, Fiber 4
 CPS-S05-100804-FG2 -- Soil



L = 5.25 W = 1.15 AR = 5:1

Mineral category: Amphibole

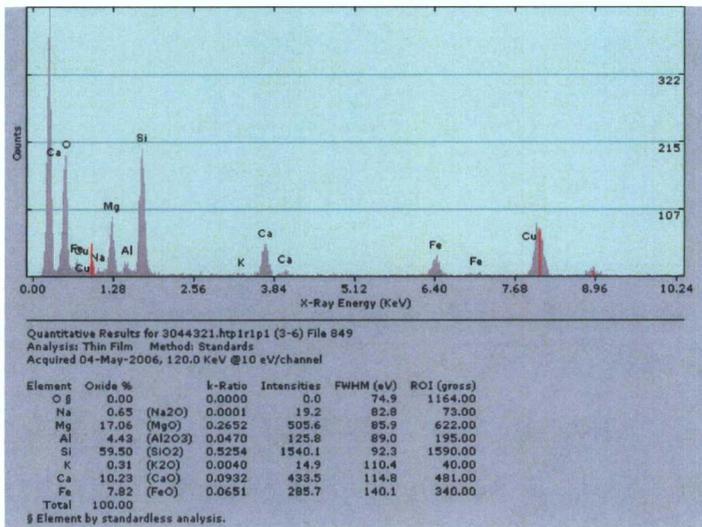
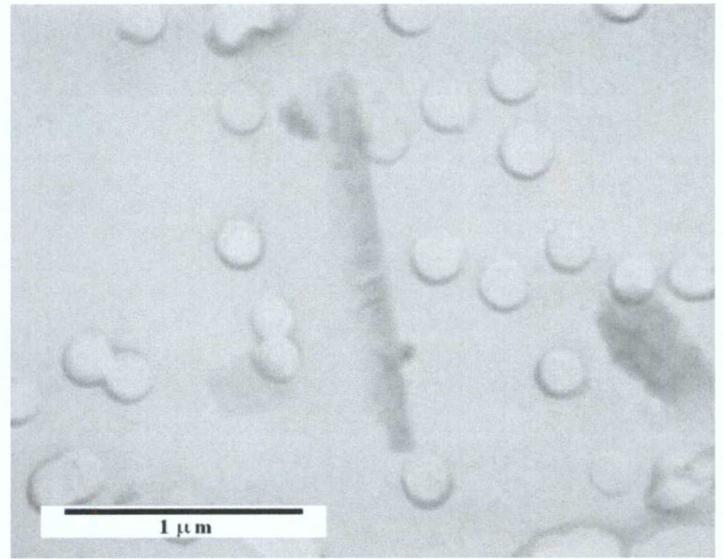
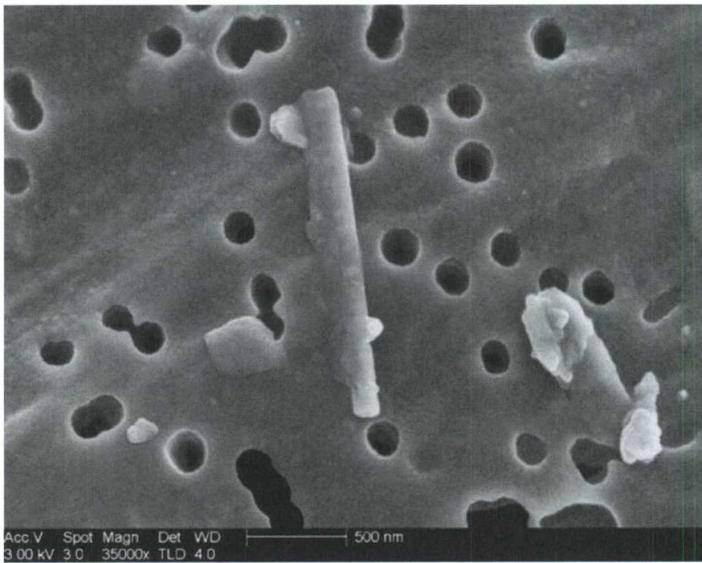
Zone 201

D1 9.22

Phi 84.6

D2 2.35

RJLG # 3044321 Field 3, Fiber 5
 CPS-S05-100804-FG2 -- Soil



L = 1.75 W = .2 AR = 9:1

Mineral category: Clay

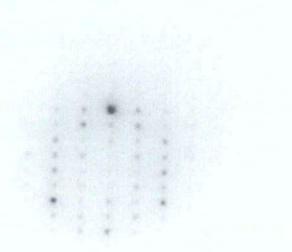
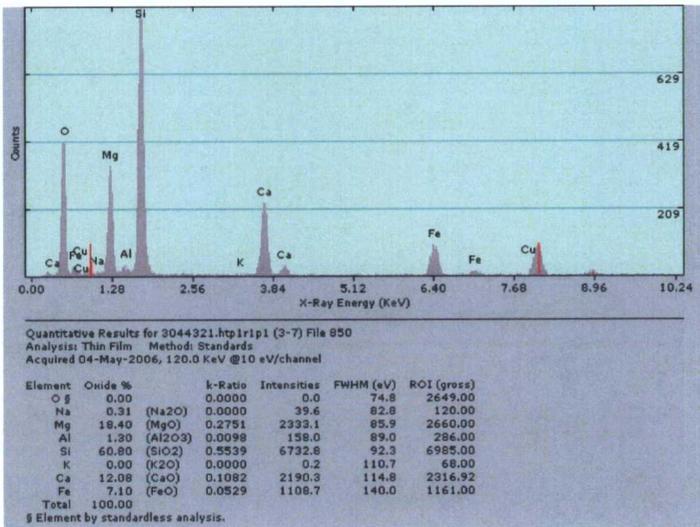
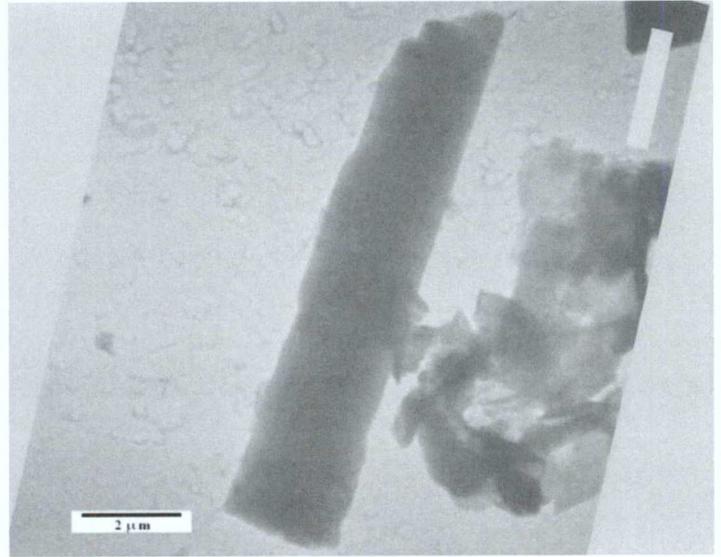
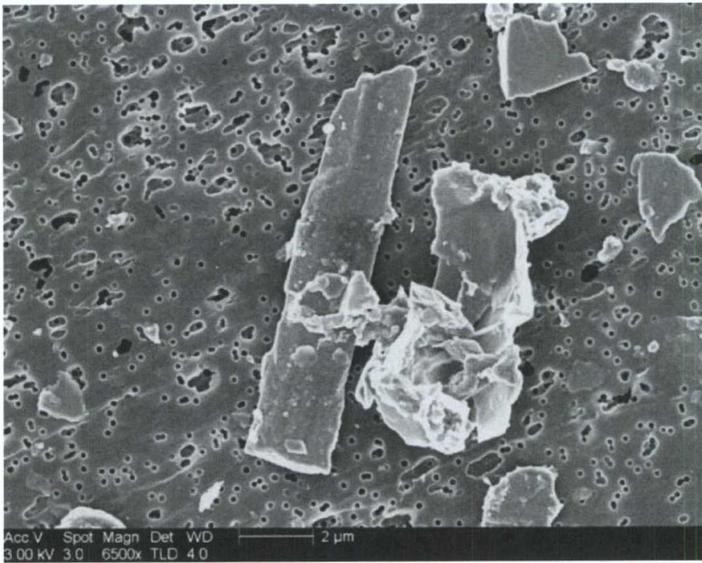
Zone 153

Phi 90

D1 4.05

D2 3.49

RJLG # 3044321 Field 3, Fiber 6
CPS-S05-100804-FG2 -- Soil

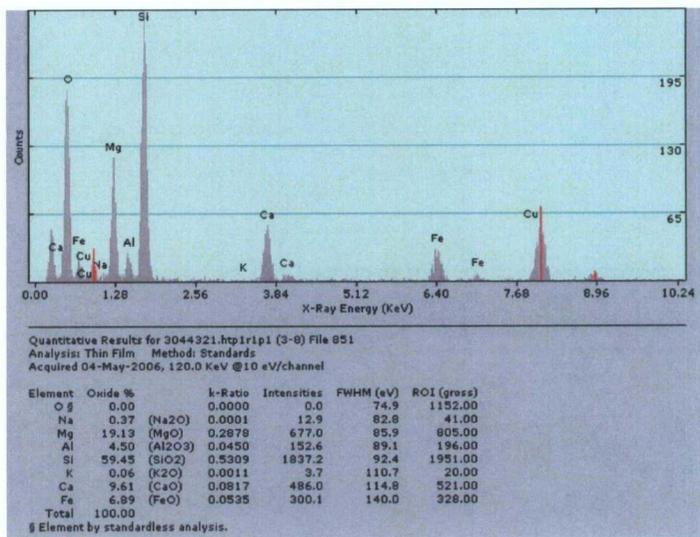
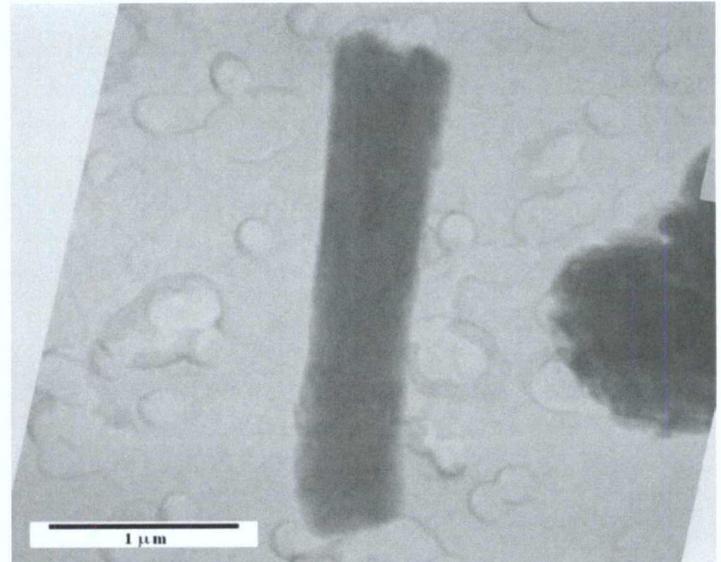
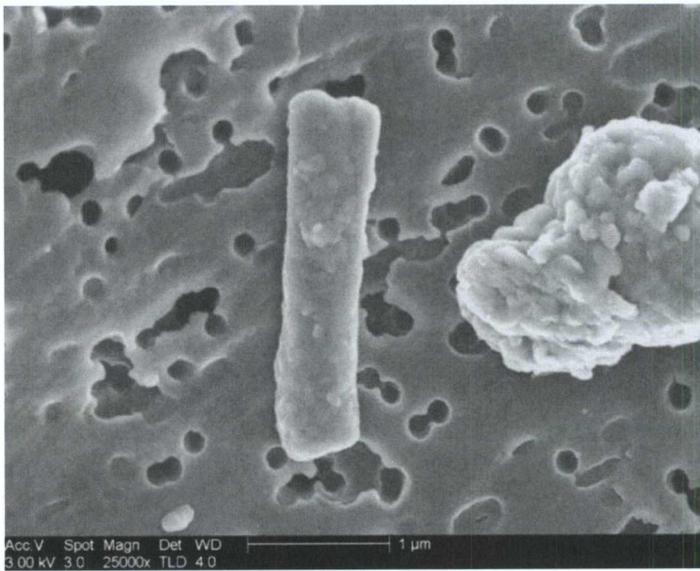


L = 14 W = 2.5 AR = 6:1

Mineral category: Amphibole

Zone	100	D1	9.32
Phi	89.9	D2	5.26

RJLG # 3044321 Field 3, Fiber 7
CPS-S05-100804-FG2 -- Soil

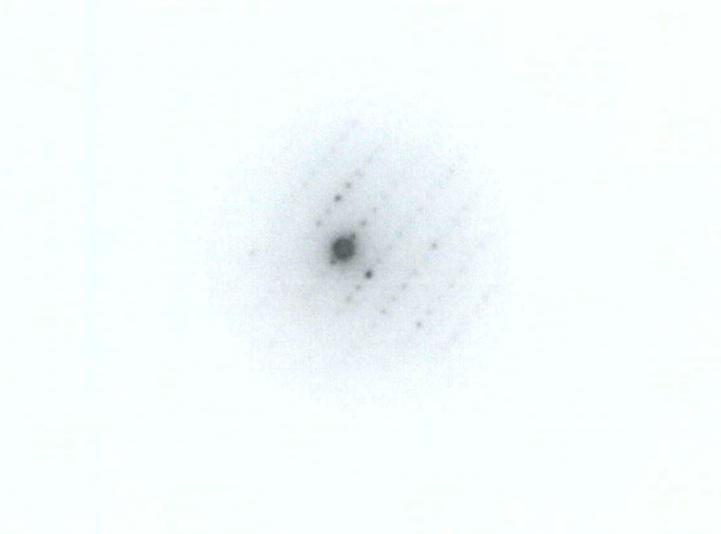
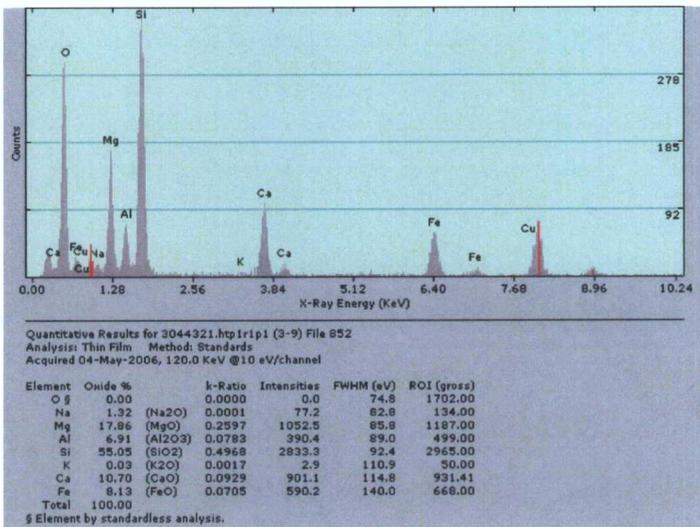
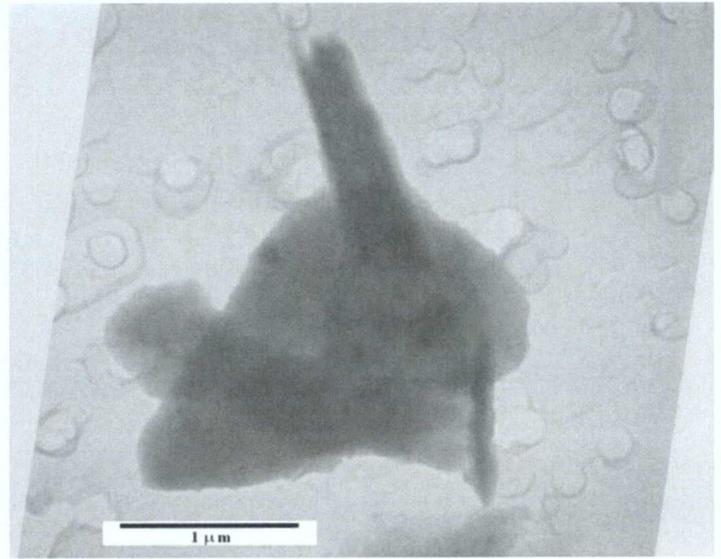
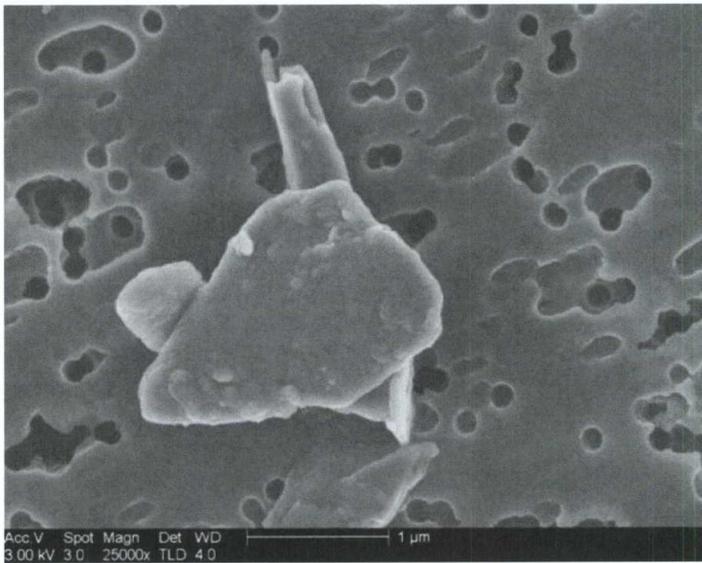


L = 3.1 W = .5 AR = 6:1

Mineral category: Amphibole

Zone	15-2	D1	3.44
Phi	69.5	D2	3.42

RJLG # 3044321 Field 3, Fiber 8
 CPS-S05-100804-FG2 -- Soil



L = 1.5 W = .3 AR = 5:1

Mineral category: Amphibole

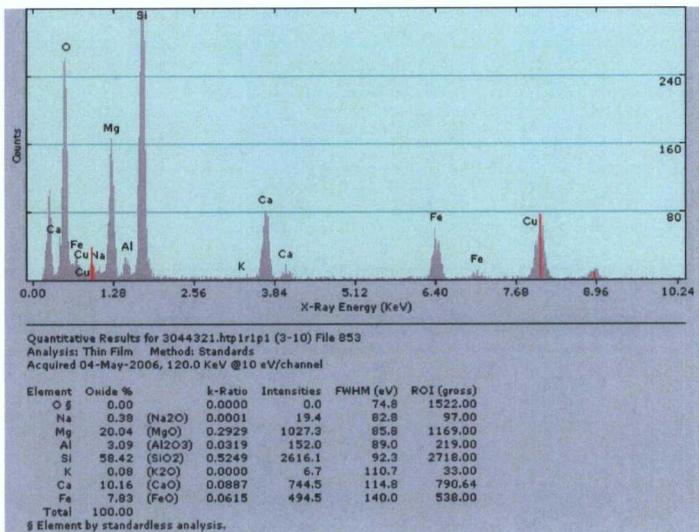
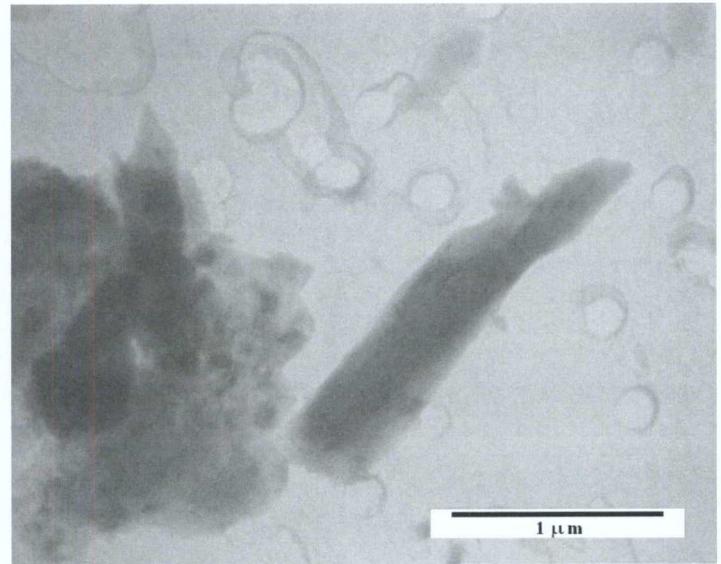
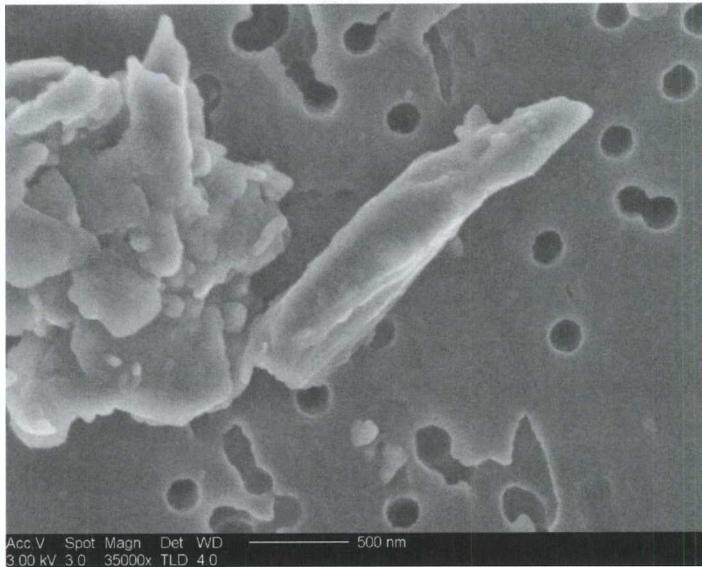
Zone 114

D1 8.71

Phi 82.7

D2 3.92

RJLG # 3044321 Field 3, Fiber 9
 CPS-S05-100804-FG2 -- Soil

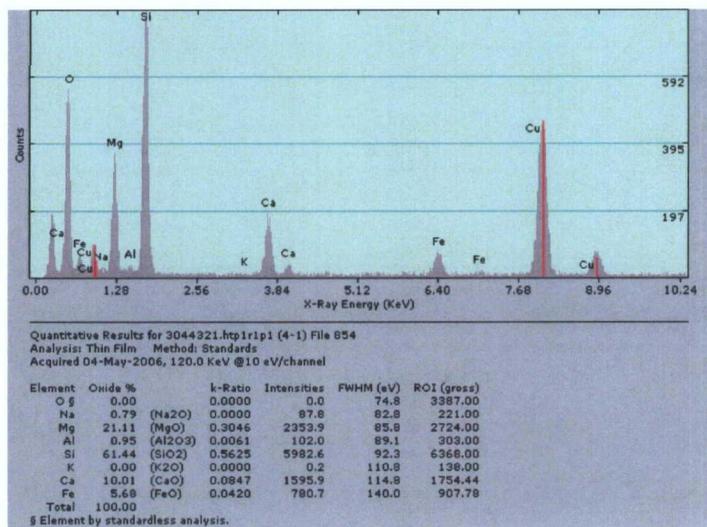
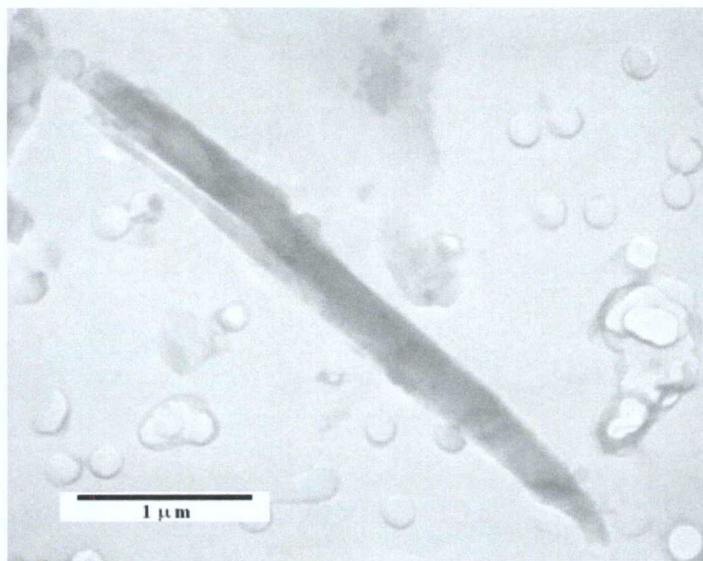
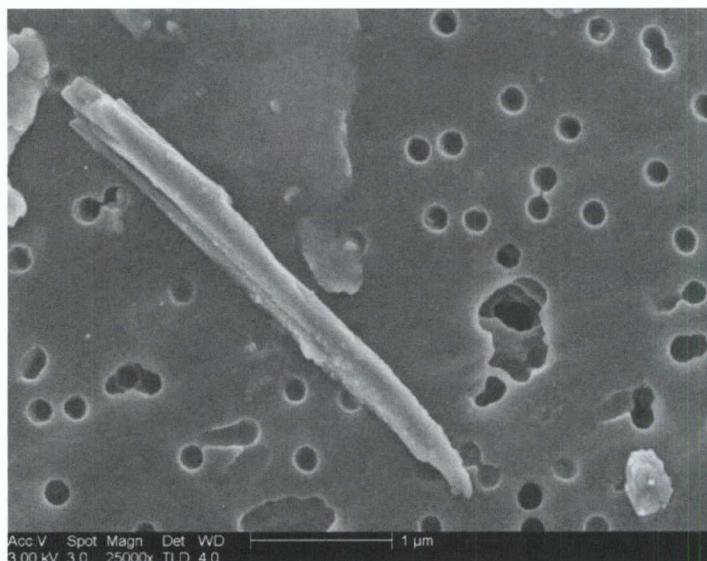


L = 2.4 W = .4 AR = 6:1

Mineral category: Amphibole

Zone	101	D1	9.19
Phi	75.1	D2	4.8

RJLG # 3044321 Field 3, Fiber 10
 CPS-S05-100804-FG2 -- Soil

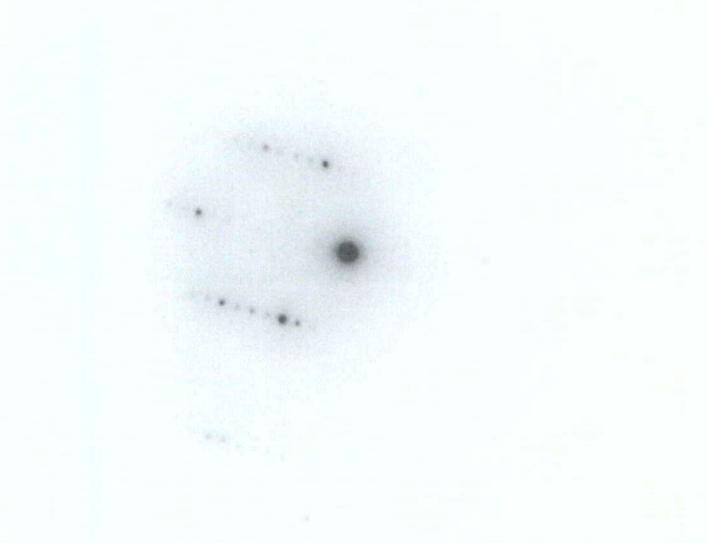
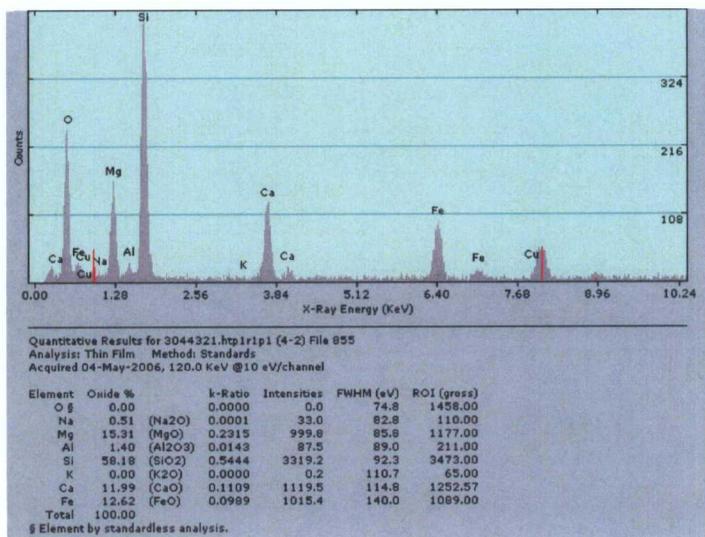
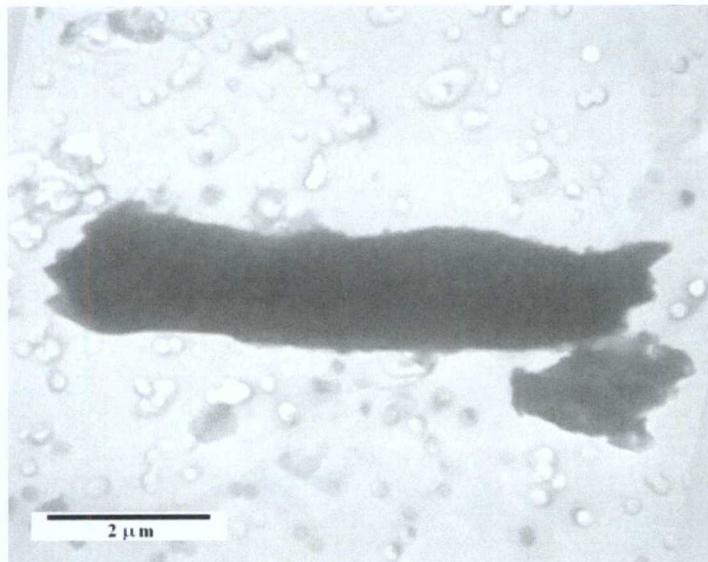
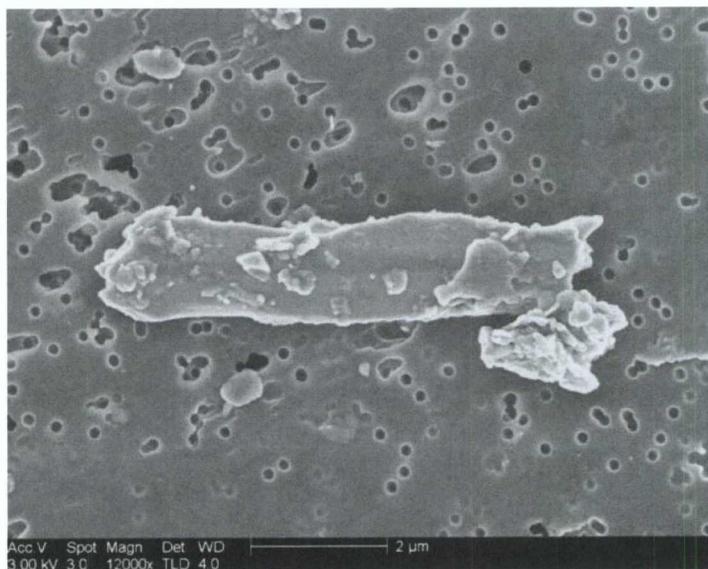


L = 5.1 W = .35 AR = 15:1

Mineral category: Amphibole

Zone 112 D1 8.51
 Phi 87.5 D2 4.81

RJLG # 3044321 Field 4, Fiber 1
 CPS-S05-100804-FG2 -- Soil

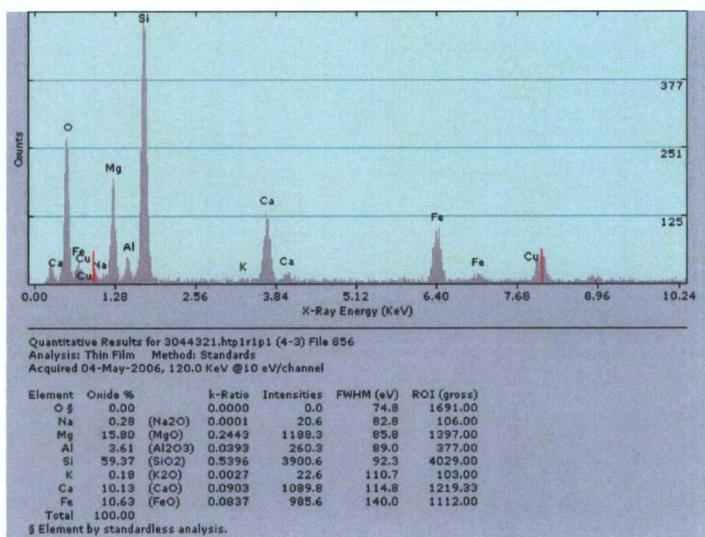
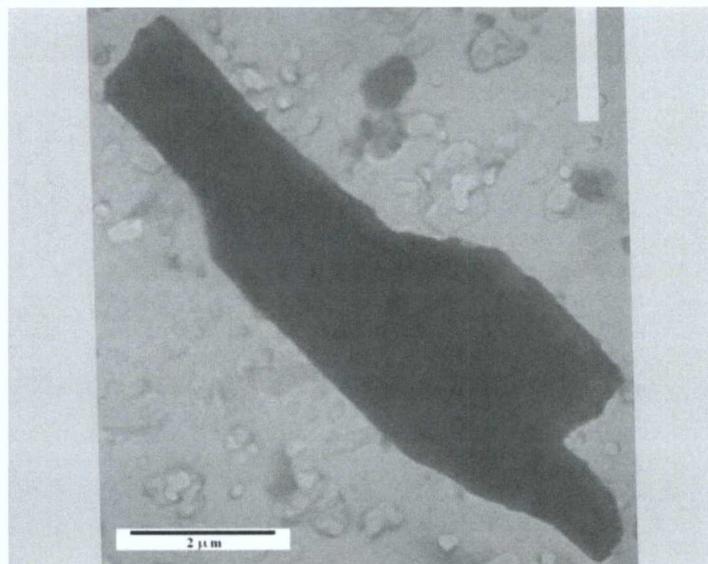


L = 8.25 W = 1.5 AR = 6:1

Mineral category: Amphibole

Zone	104	D1	9.22
Phi	89.2	D2	1.78

RJLG # 3044321 Field 4, Fiber 2
 CPS-S05-100804-FG2 -- Soil

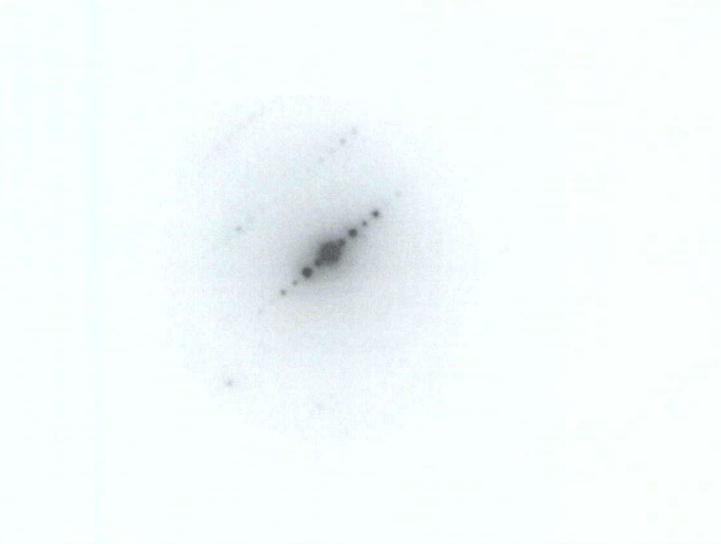
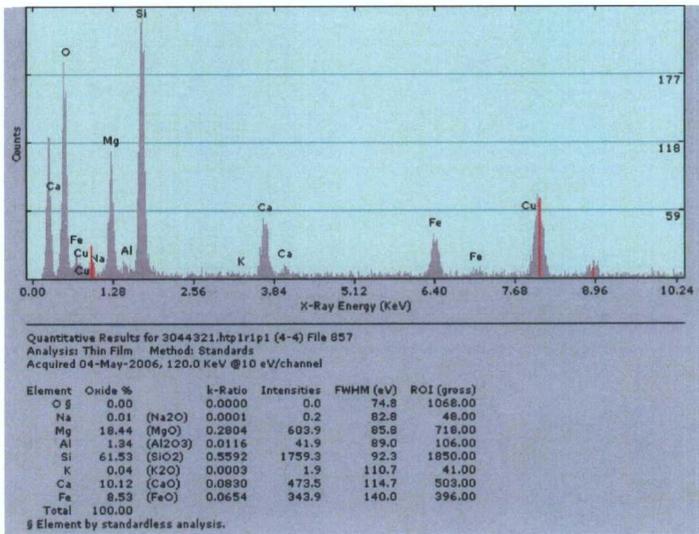
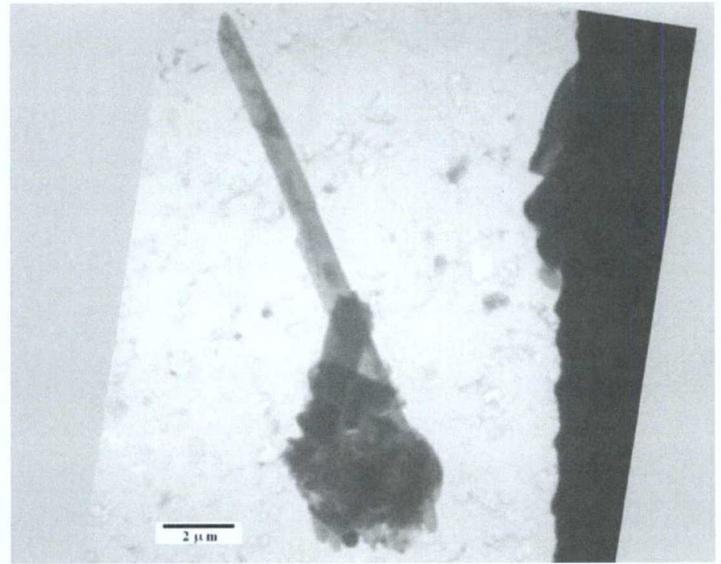
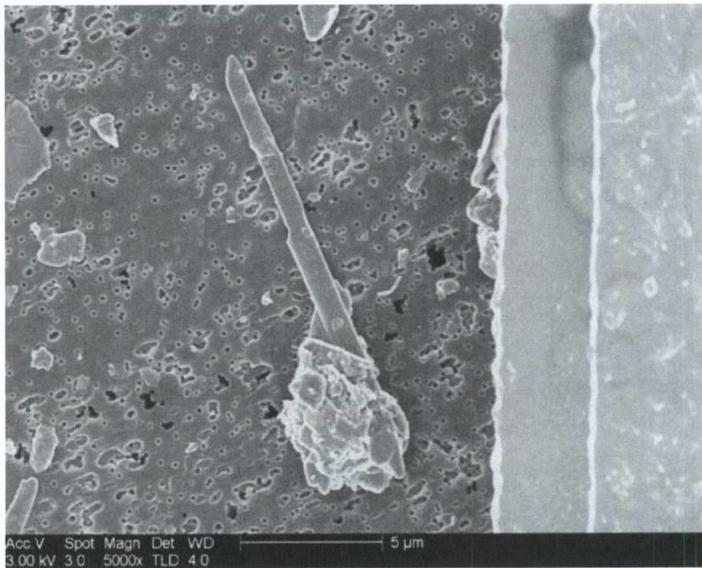


L = 11.25 W = 2.5 AR = 5:1

Mineral category: Amphibole

Zone	100	D1	9.35
Phi	89.5	D2	5.3

RJLG # 3044321 Field 4, Fiber 3
CPS-S05-100804-FG2 -- Soil



L = 15.2 W = 1.25 AR = 12:1

Mineral category: Amphibole

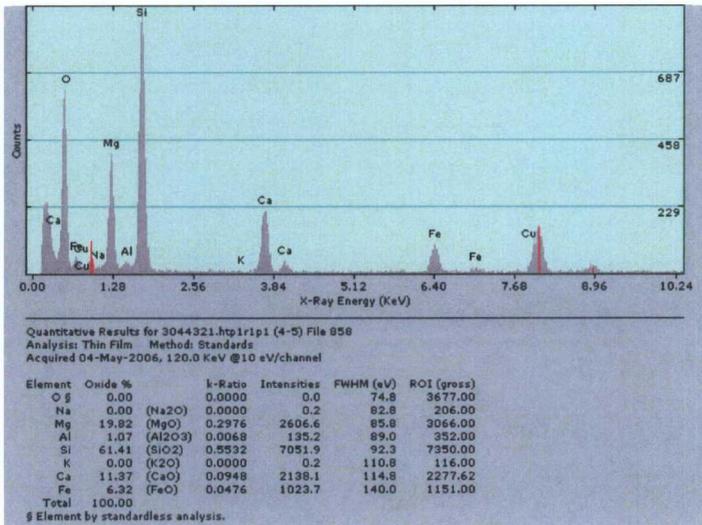
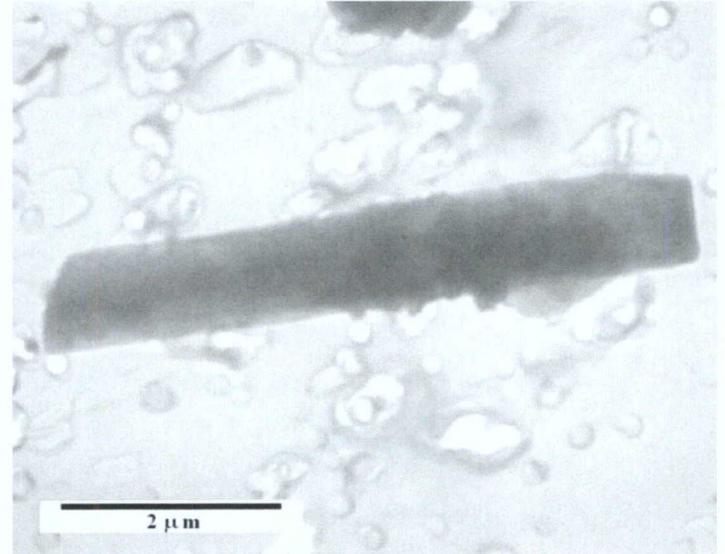
Zone 105

Phi 84

D1 9.39

D2 1.84

RJLG # 3044321 Field 4, Fiber 4
 CPS-S05-100804-FG2 -- Soil



L = 6.95 W = 1.1 AR = 6:1

Mineral category: Amphibole

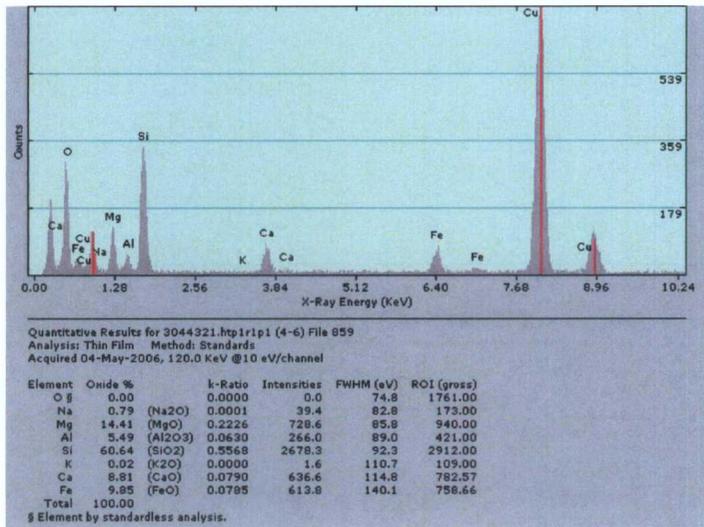
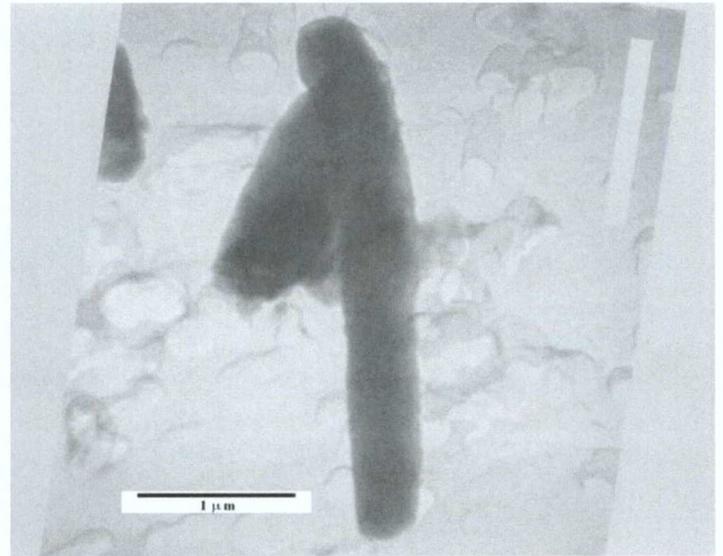
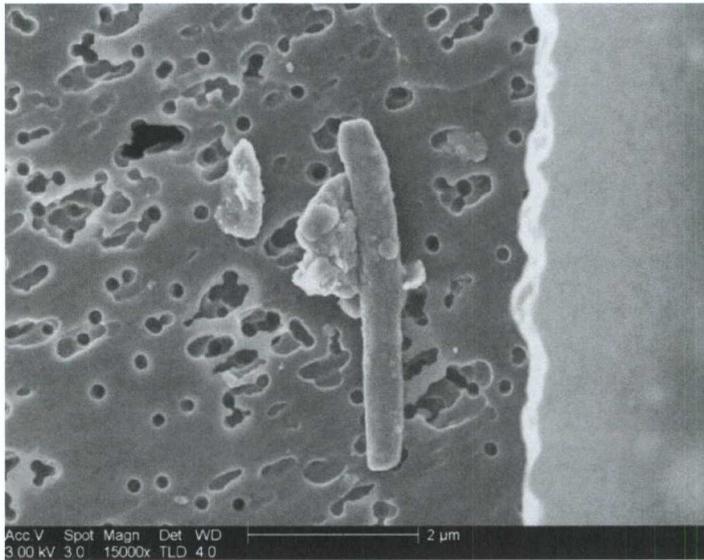
Zone 20-3

Phi 84.1

D1 9.19

D2 1.8

RJLG # 3044321 Field 4, Fiber 5
 CPS-S05-100804-FG2 -- Soil



L = 5.1 W = .45 AR = 11:1

Mineral category: Amphibole

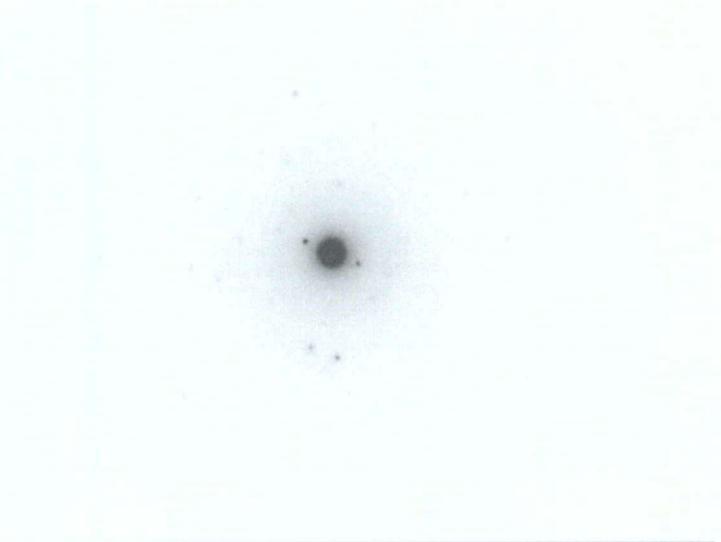
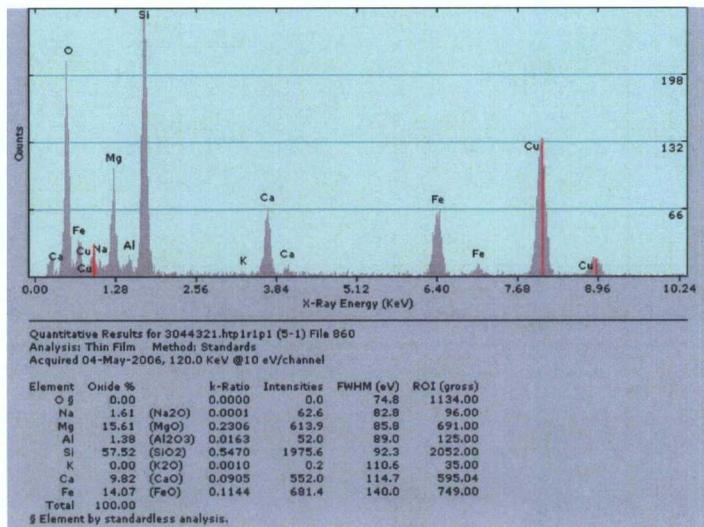
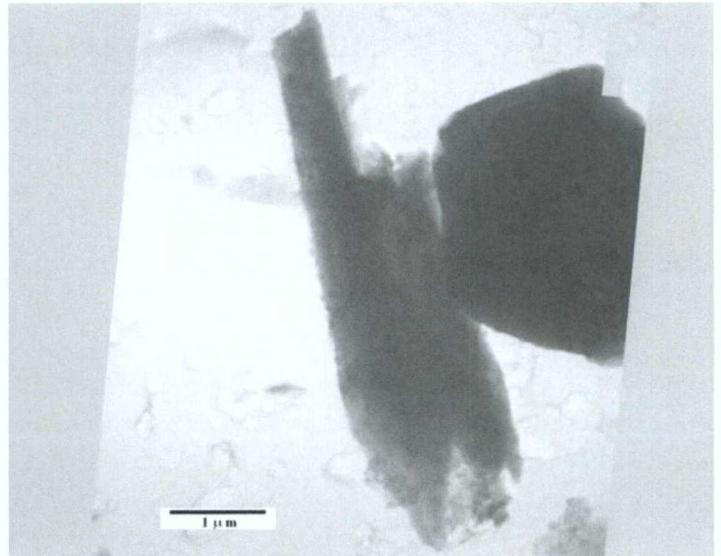
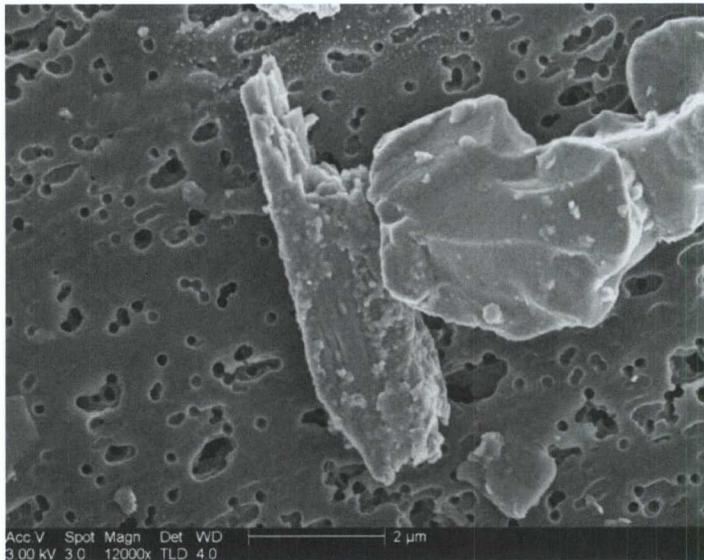
Zone 10-1

Phi 77.3

D1 9.21

D2 4.09

RJLG # 3044321 Field 4, Fiber 6
 CPS-S05-100804-FG2 -- Soil

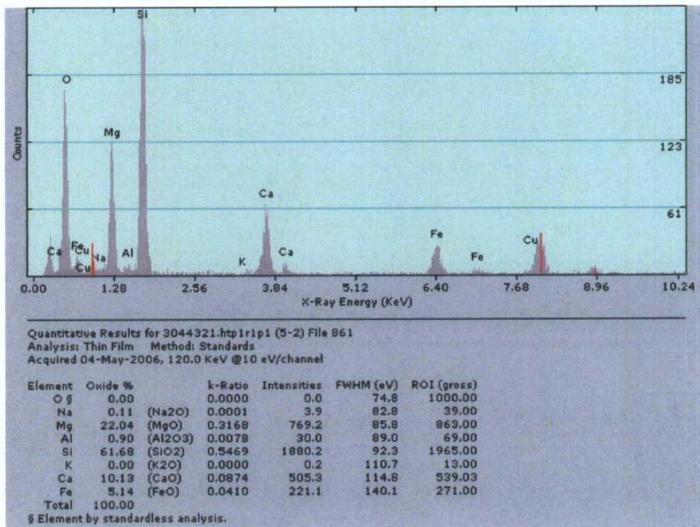
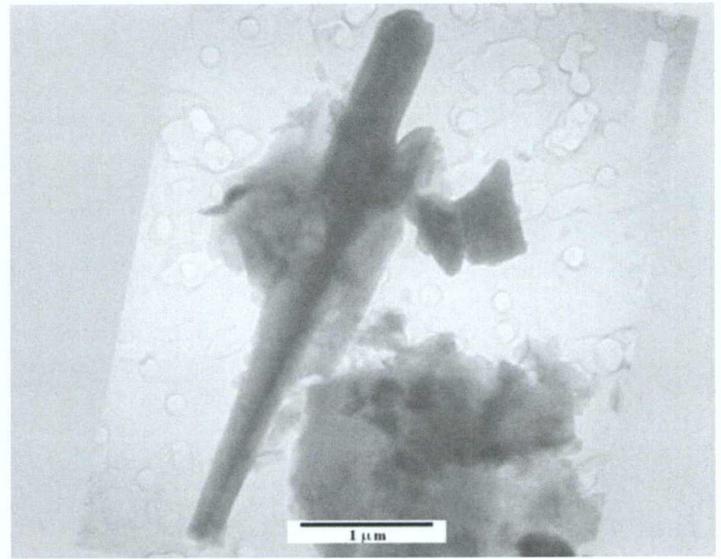
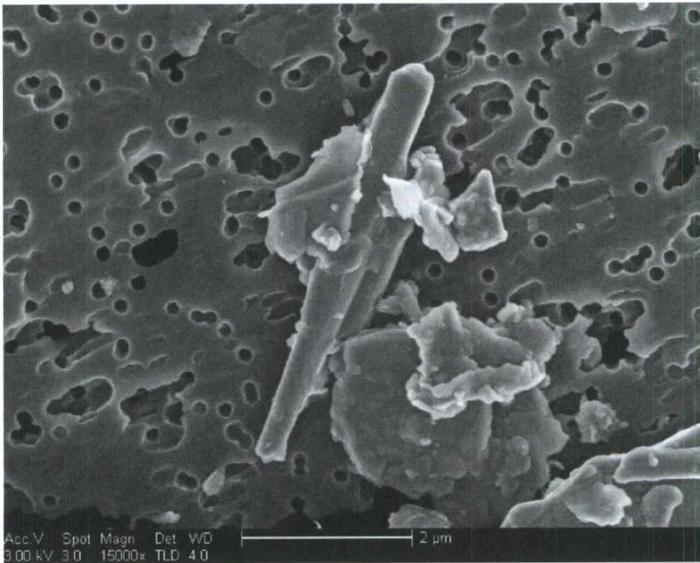


L = 6.25 W = .45 AR = 14:1

SAED not measured

Mineral category: Pyroxene

RJLG # 3044321 Field 5, Fiber 1
 CPS-S05-100804-FG2 -- Soil

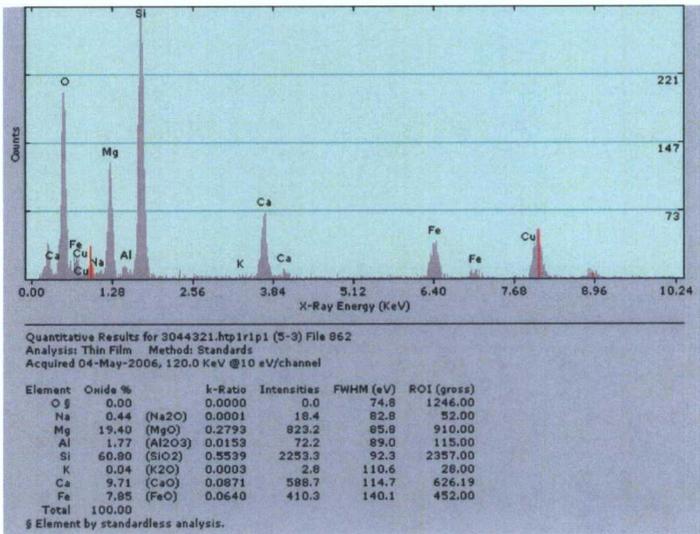
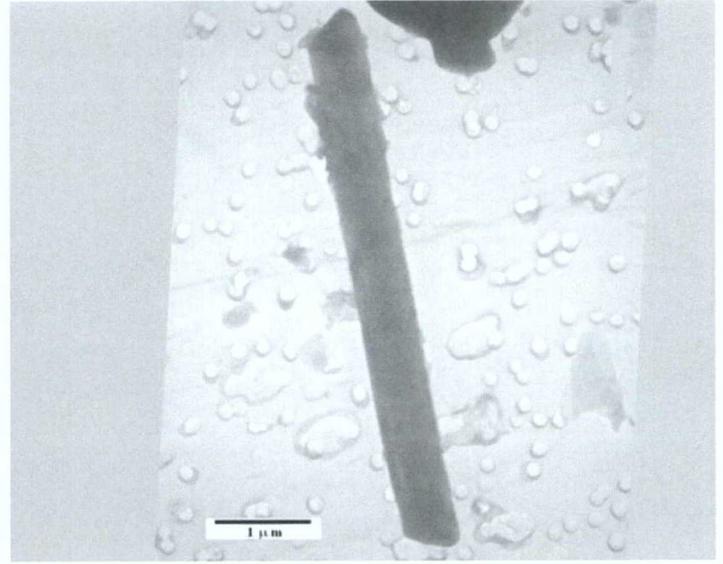


L = 5.5 W = .5 AR = 11:1

Mineral category: Amphibole

SAED not measured

RJLG # 3044321 Field 5, Fiber 2
 CPS-S05-100804-FG2 -- Soil



L = 8.25 W = .75 AR = 11:1

Mineral category: Amphibole

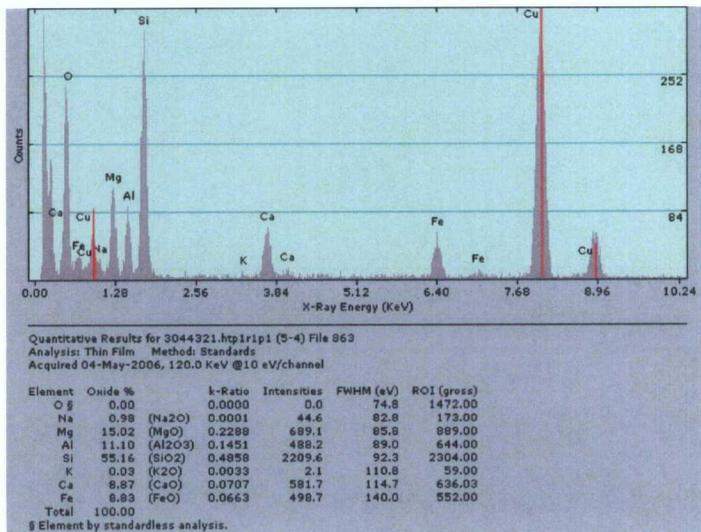
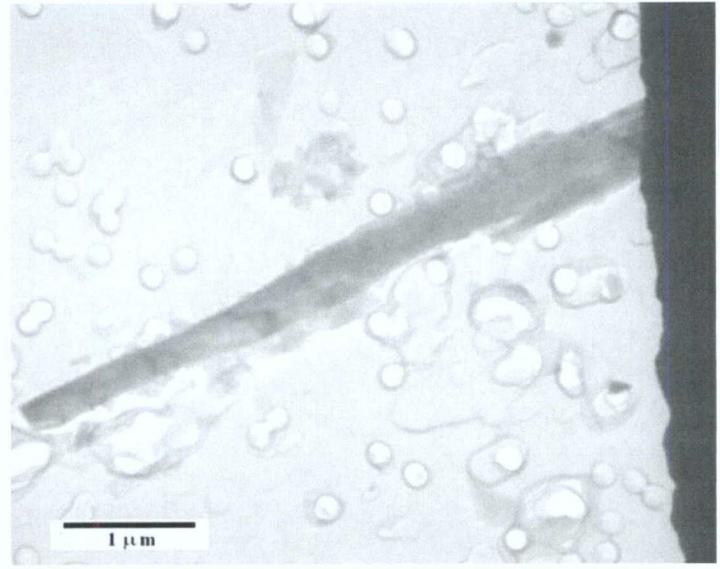
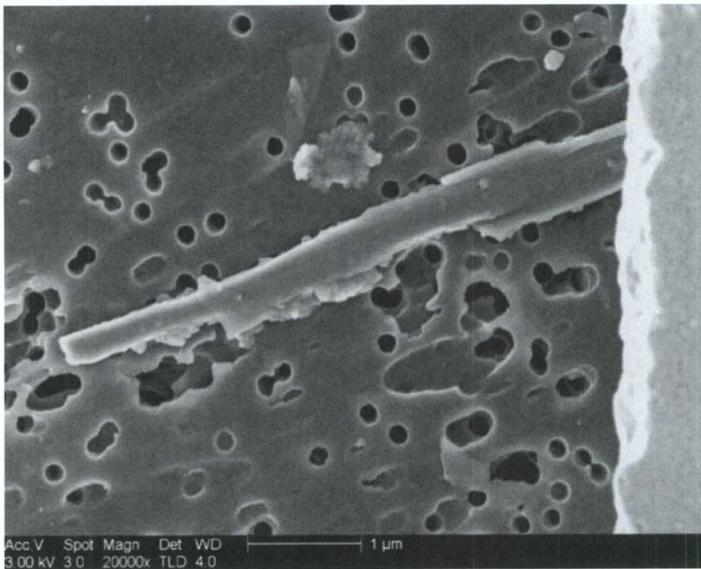
Zone 100

D1 9.28

Phi 89

D2 5.21

RJLG # 3044321 Field 5, Fiber 3
 CPS-S05-100804-FG2 -- Soil



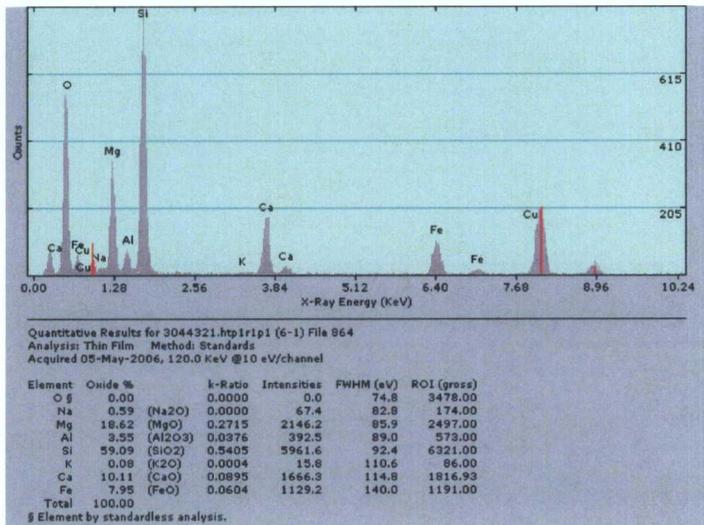
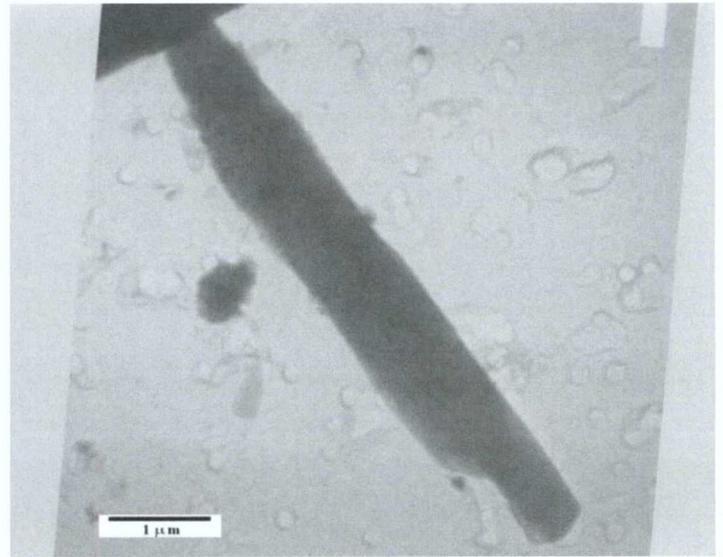
L = 6 W = .45 AR = 13:1

Mineral category: Amphibole

Zone 201
Phi 80

D1 9.21
D2 2.62

RJLG # 3044321 Field 5, Fiber 4
 CPS-S05-100804-FG2 -- Soil



L = 7.5 W = 1 AR = 8:1

Mineral category: Amphibole

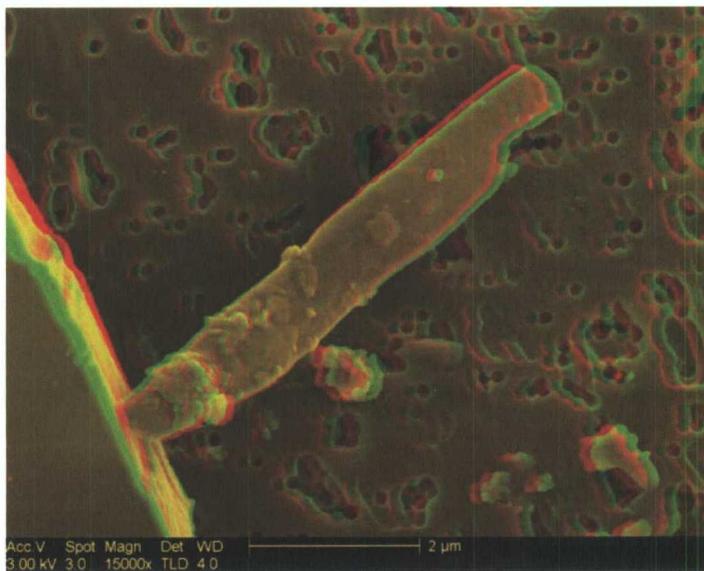
Zone 20-1

Phi 84.1

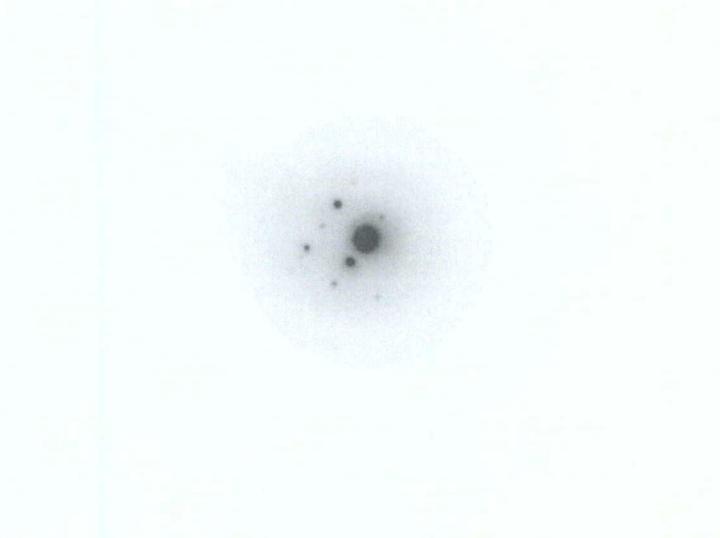
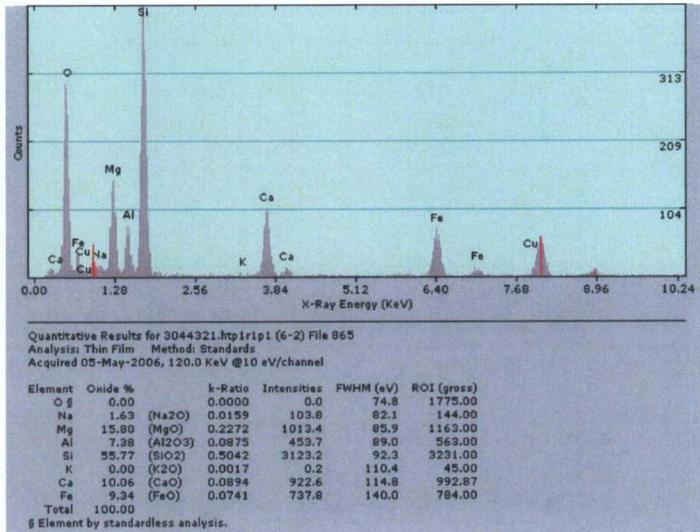
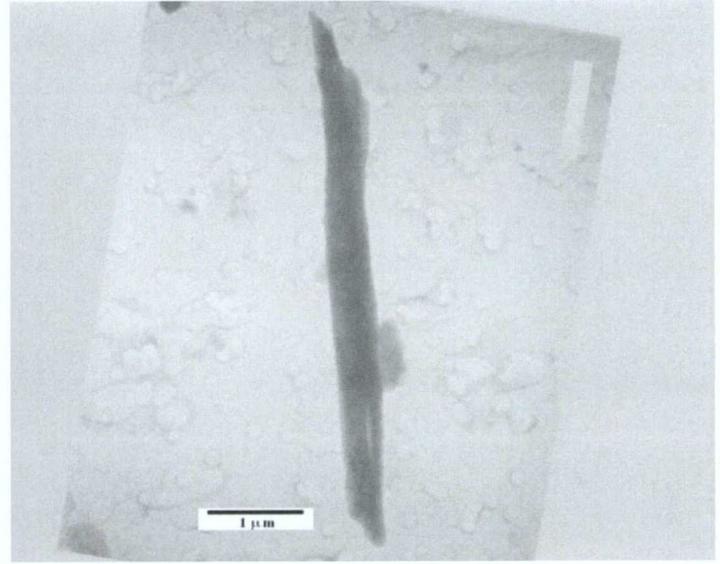
D1 9.25

D2 2.35

RJLG # 3044321 Field 6, Fiber 1
 CPS-S05-100804-FG2 -- Soil



RJLG # 3044321 Field 6, Fiber 1
CPS-S05-100804-FG2 -- Soil



L = 8 W = .5 AR = 16:1

Mineral category: Amphibole

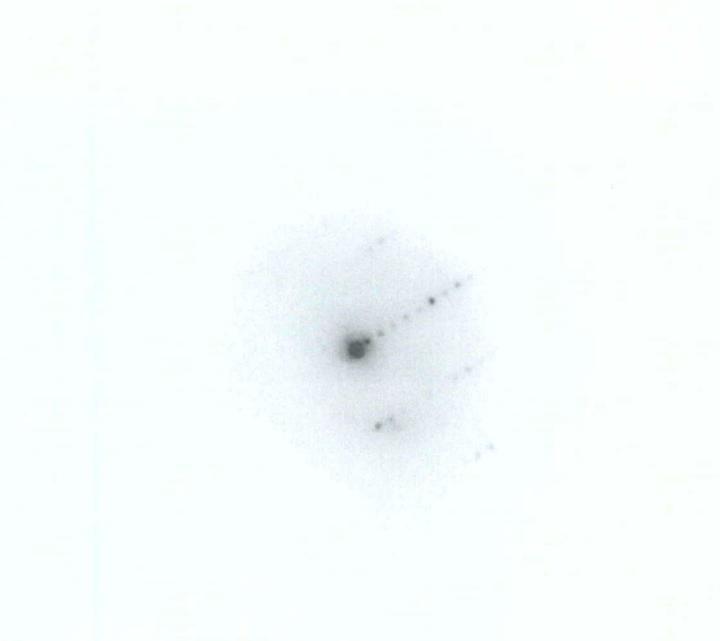
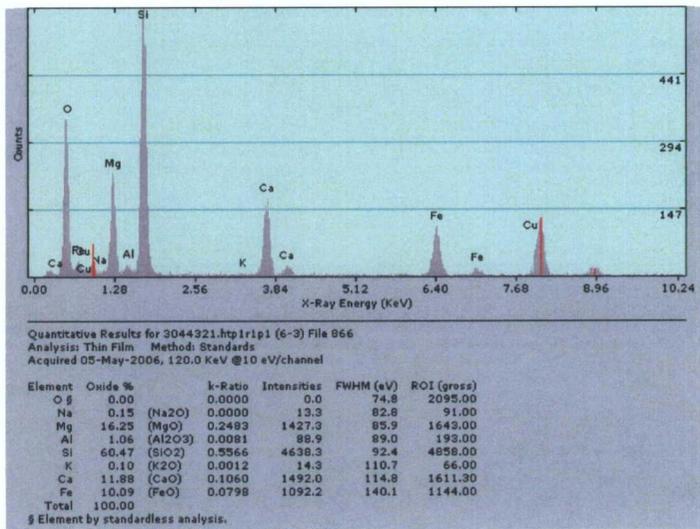
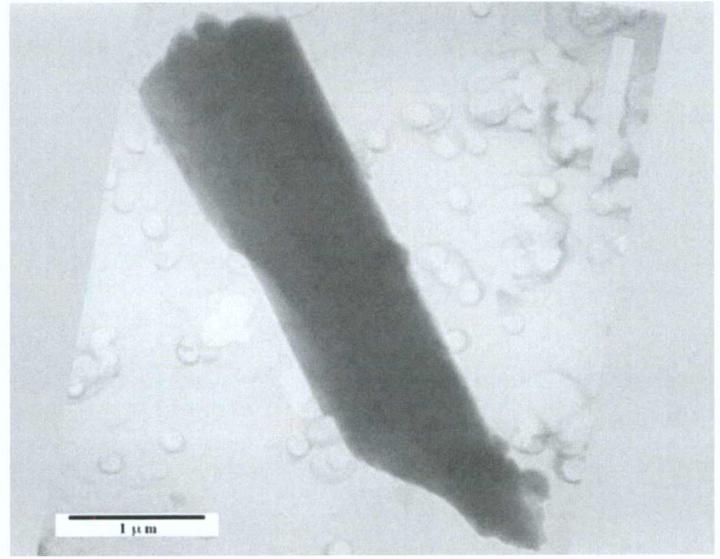
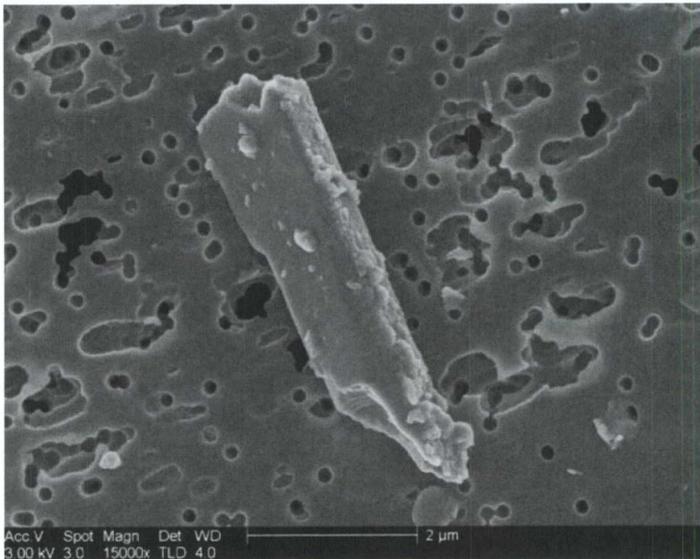
Zone 130

D1 5.24

Phi 73.7

D2 3.16

RJLG # 3044321 Field 6, Fiber 2
 CPS-S05-100804-FG2 -- Soil

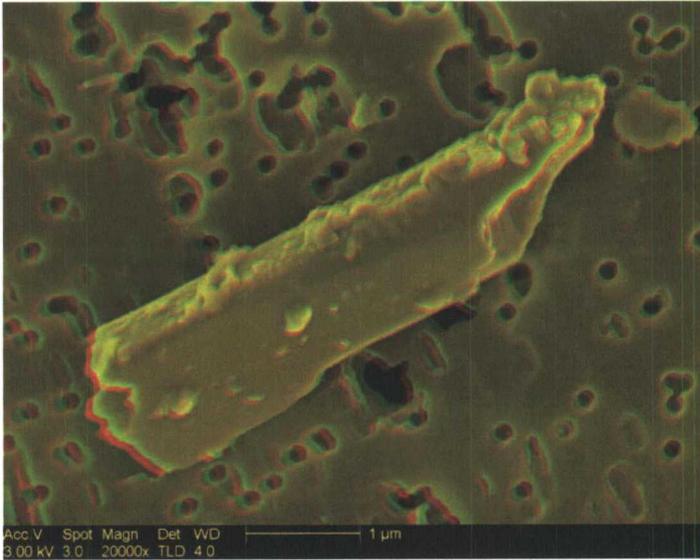


L = 6.5 W = 1.35 AR = 5:1

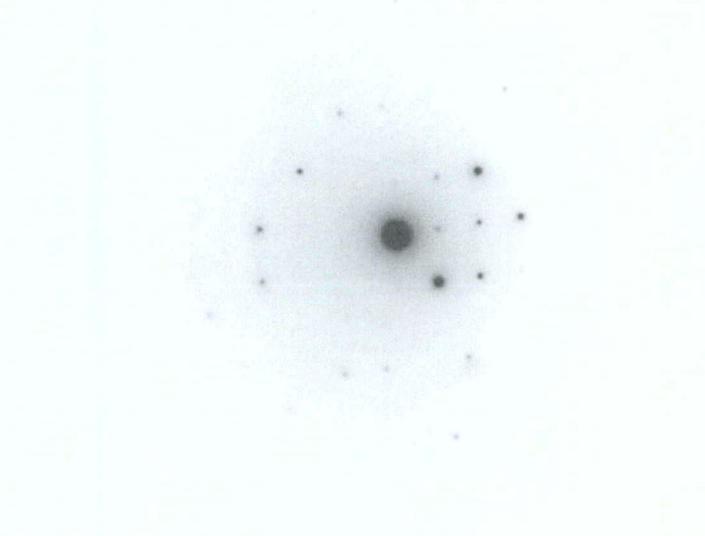
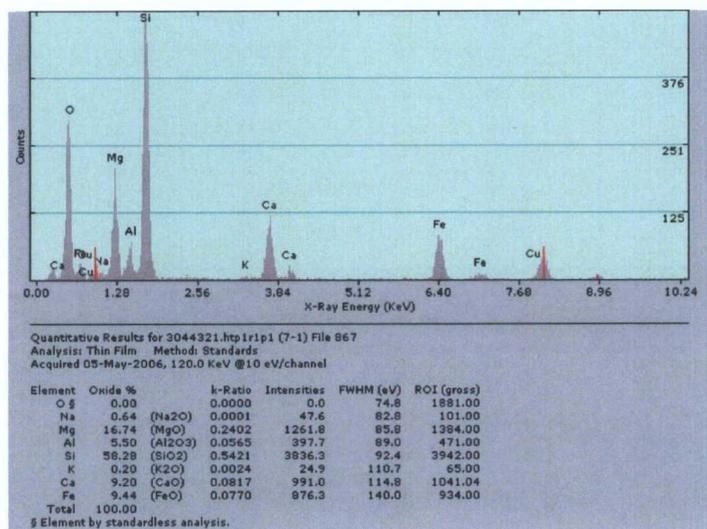
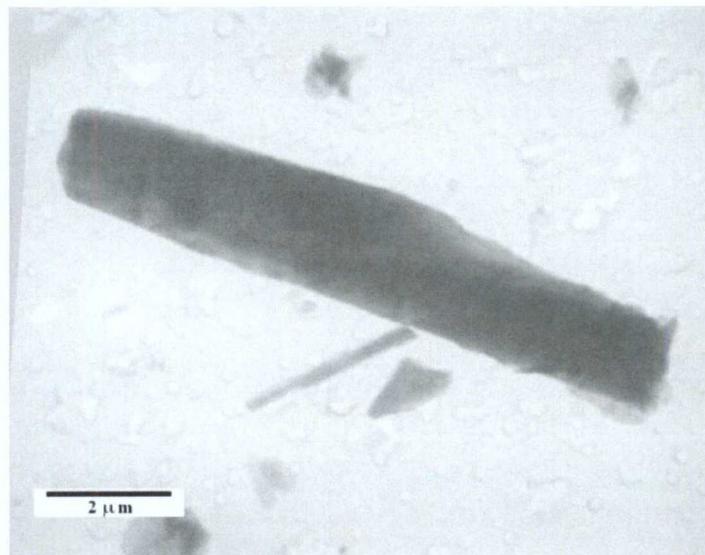
Mineral category: Amphibole

Zone	105	D1	9.28
Phi	83.7	D2	1.8

RJLG # 3044321 Field 6, Fiber 3
 CPS-S05-100804-FG2 -- Soil



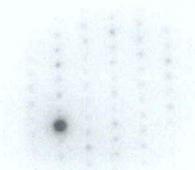
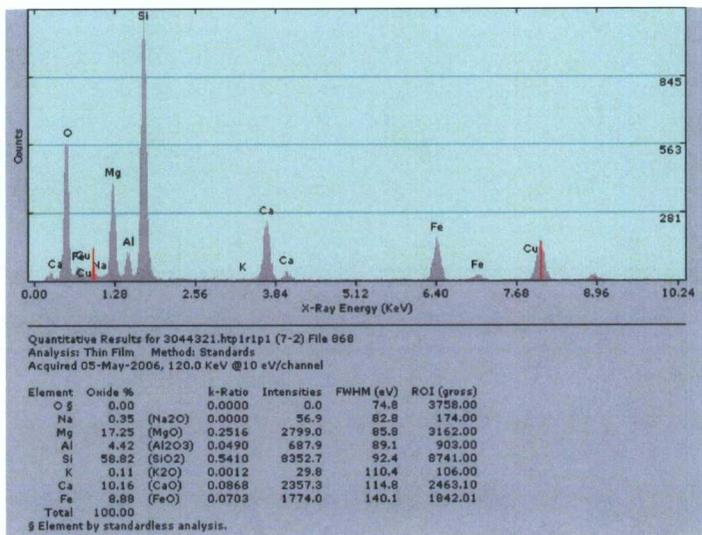
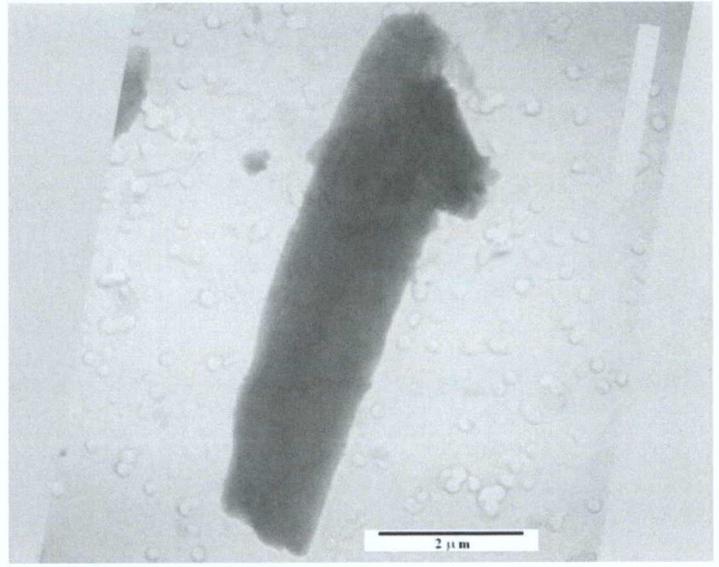
RJLG # 3044321 Field 6, Fiber 3
CPS-S05-100804-FG2 -- Soil



L = 22 W = 2.25 AR = 10:1
 Mineral category: Amphibole

Zone 513 D1 3.46
 Phi 82.8 D2 2.65

RJLG # 3044321 Field 7, Fiber 1
 CPS-S05-100804-FG2 -- Soil



L = 10 W = 2 AR = 5:1

Mineral category: Amphibole

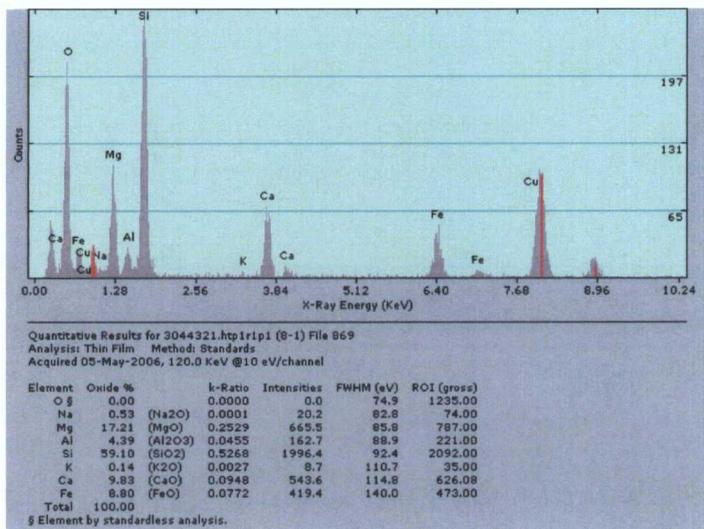
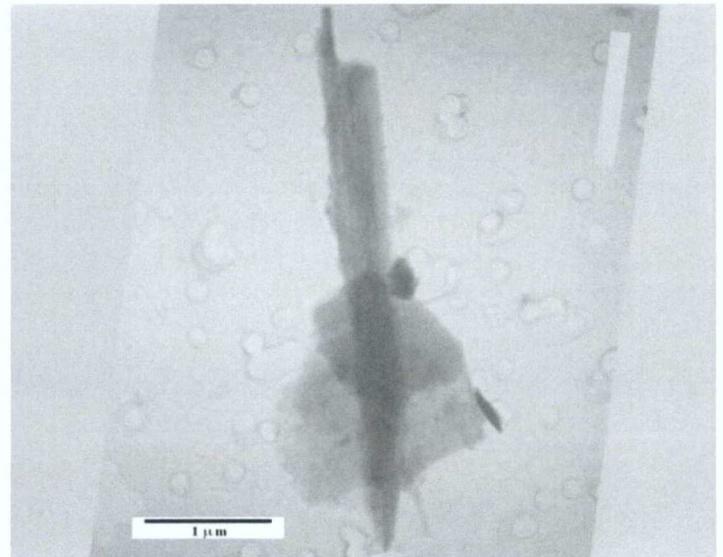
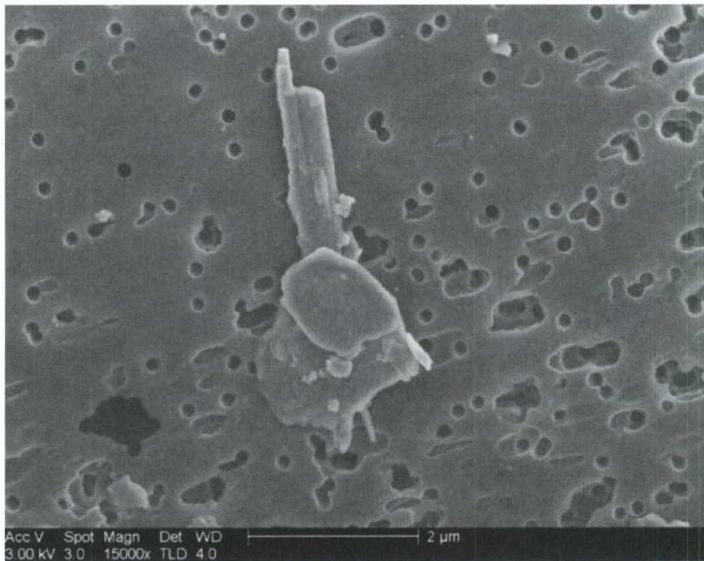
Zone 101

Phi 74.6

D1 9.25

D2 4.99

RJLG # 3044321 Field 7, Fiber 2
 CPS-S05-100804-FG2 -- Soil



L = 5.75 W = .4 AR = 14:1

Mineral category: Amphibole

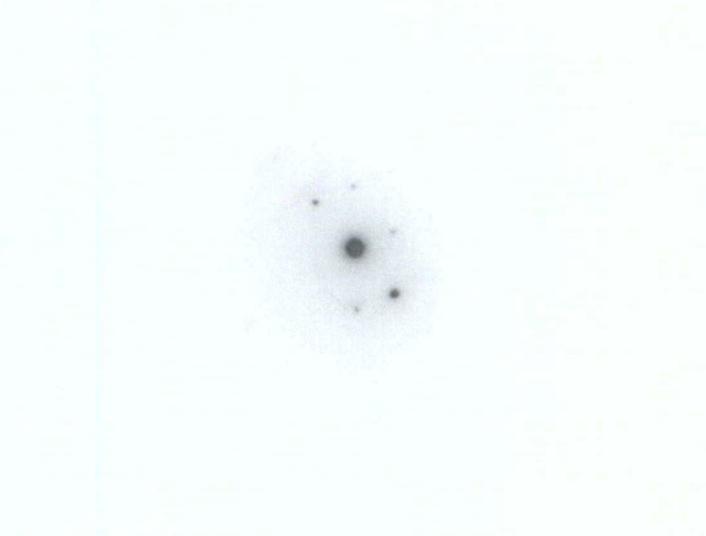
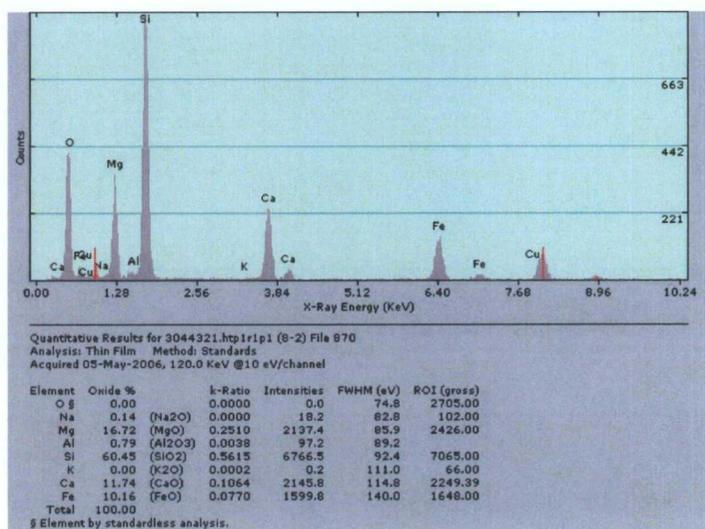
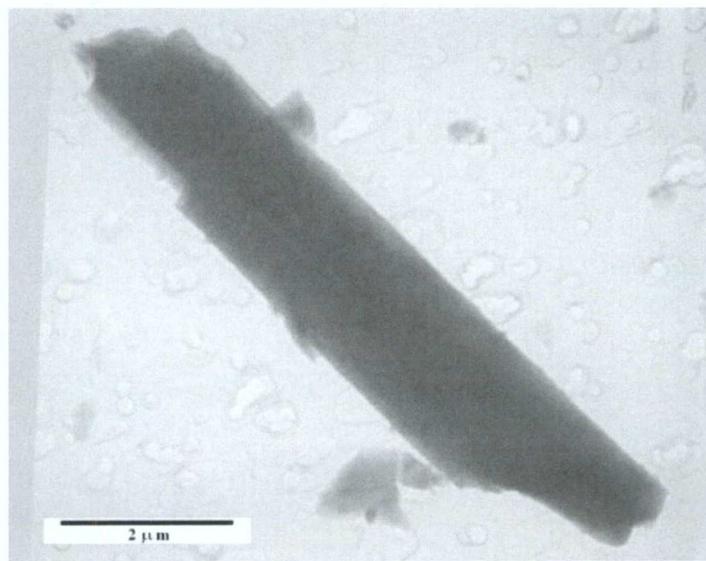
Zone 21-3

D1 4.13

Phi 76

D2 3.45

RJLG # 3044321 Field 8, Fiber 1
 CPS-S05-100804-FG2 -- Soil

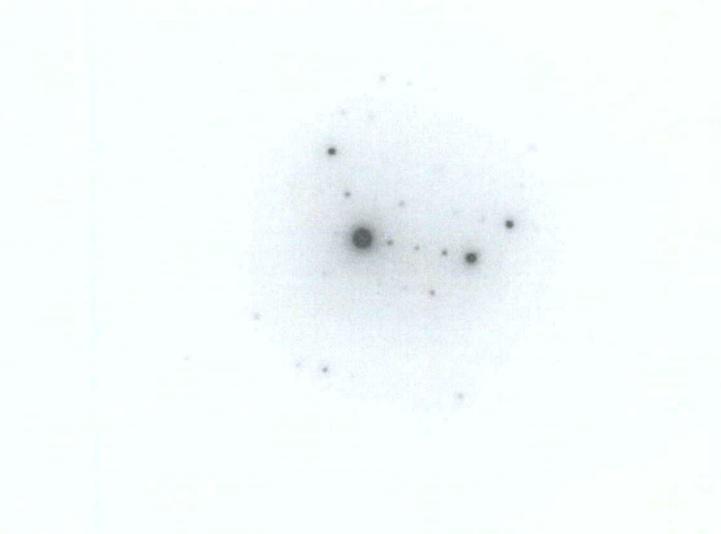
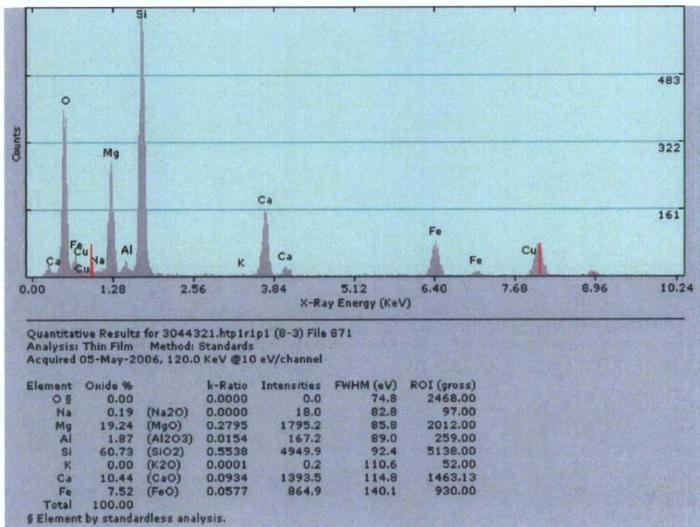
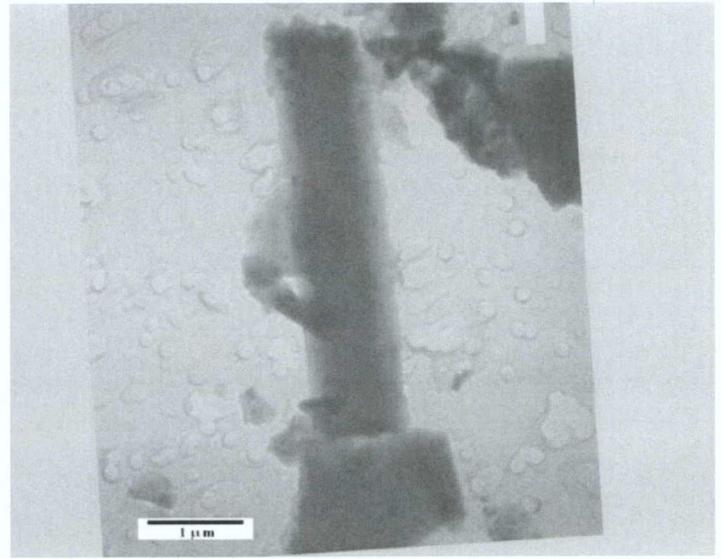
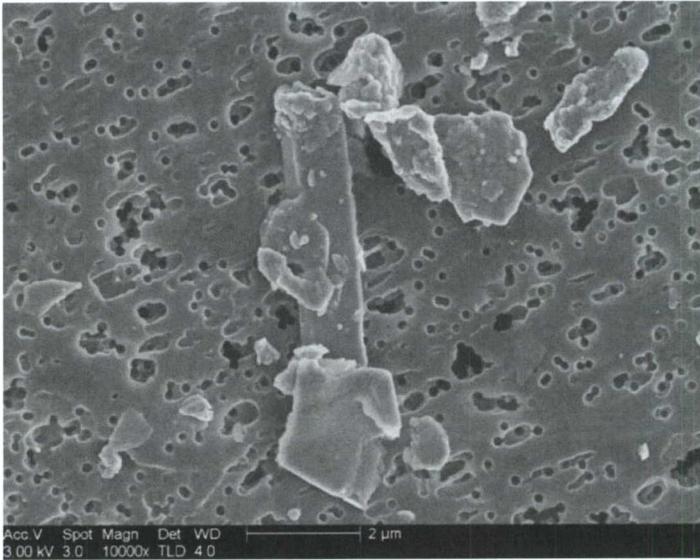


L = 10 W = 1.75 AR = 6:1

Mineral category: Amphibole

Zone 34-4 D1 2.33
 Phi 72.3 D2 2.32

RJLG # 3044321 Field 8, Fiber 2
 CPS-S05-100804-FG2 -- Soil



L = 6.25 W = 1.25 AR = 5:1

Mineral category: Amphibole

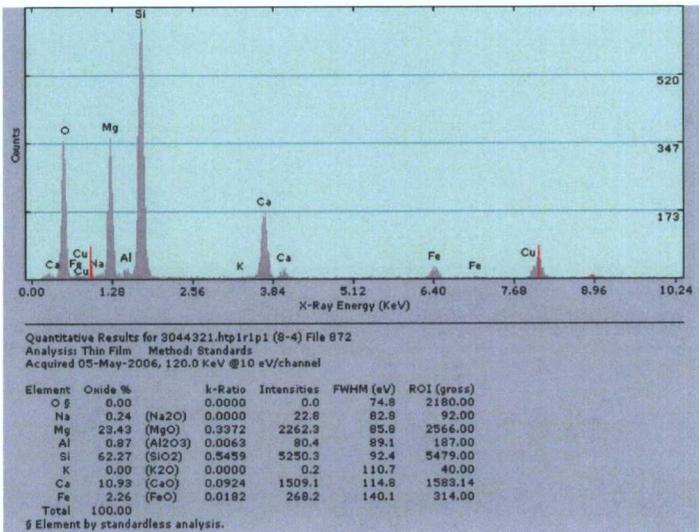
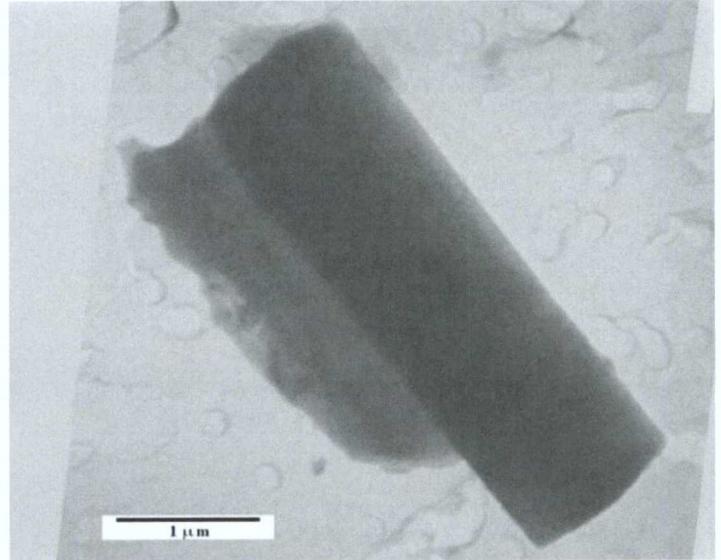
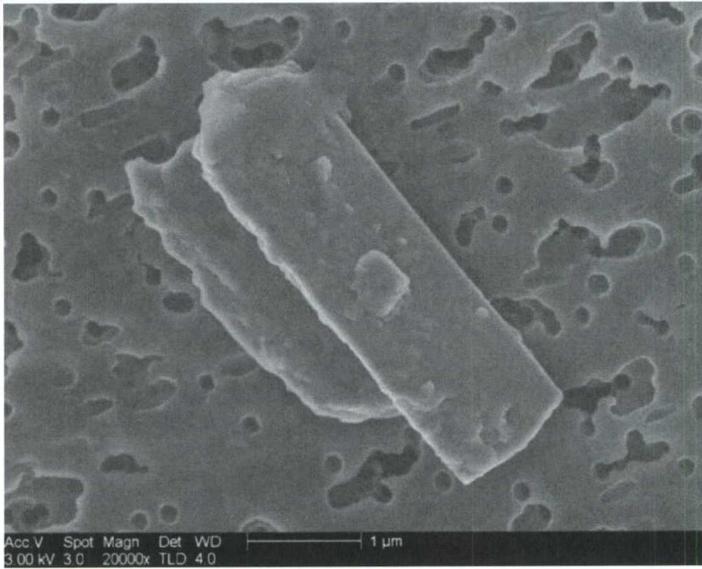
Zone 510

Phi 84.1

D1 5.17

D2 3.43

RJLG # 3044321 Field 8, Fiber 3
CPS-S05-100804-FG2 -- Soil



L = 5 W = 1.4 AR = 4:1

Mineral category: Amphibole

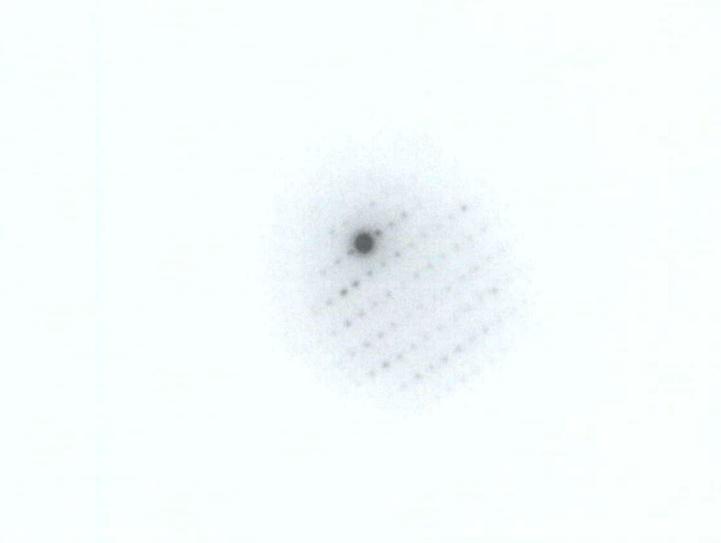
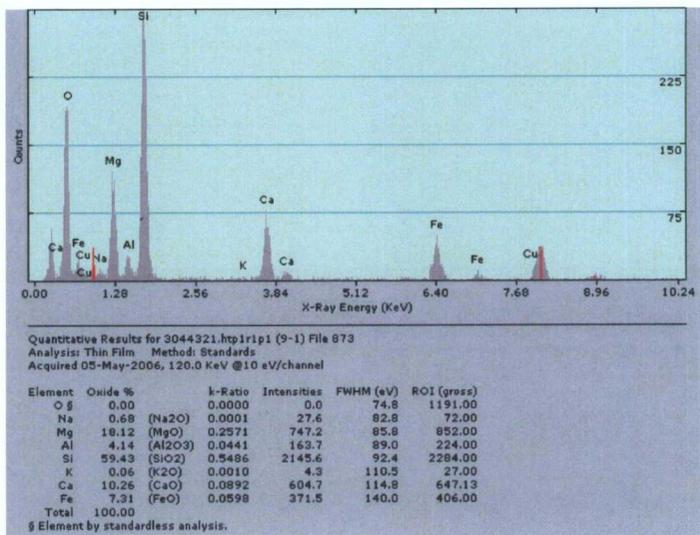
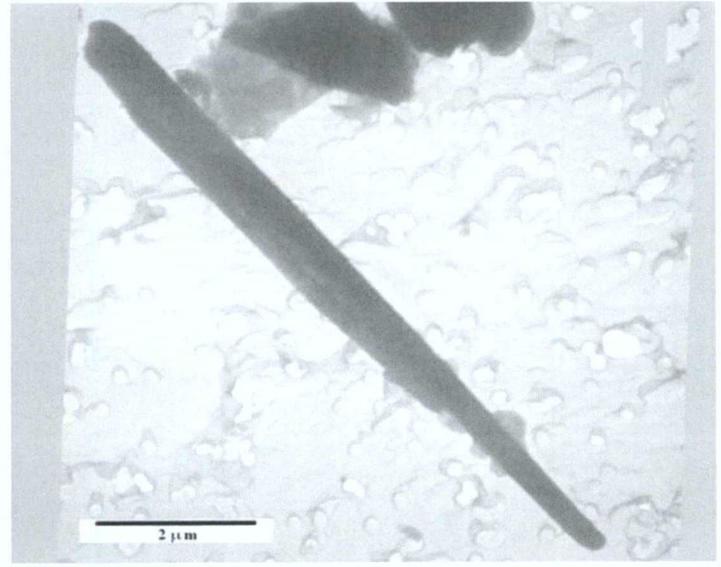
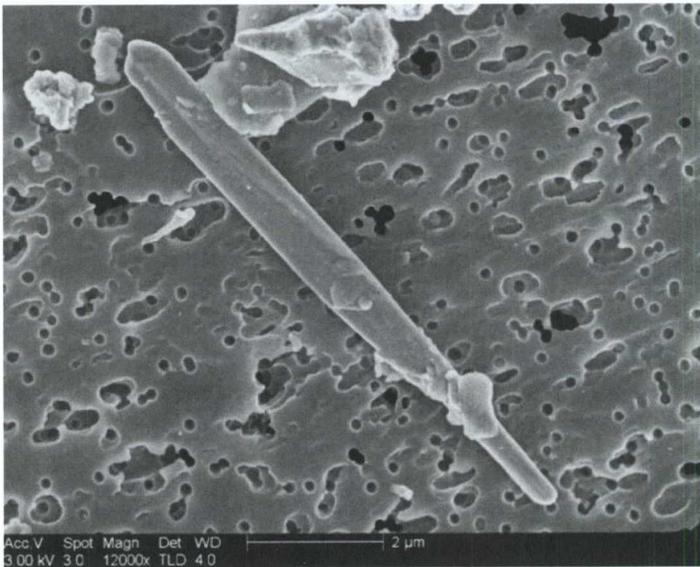
Zone 510

Phi 82.6

D1 5.06

D2 3.47

RJLG # 3044321 Field 8, Fiber 4
 CPS-S05-100804-FG2 -- Soil

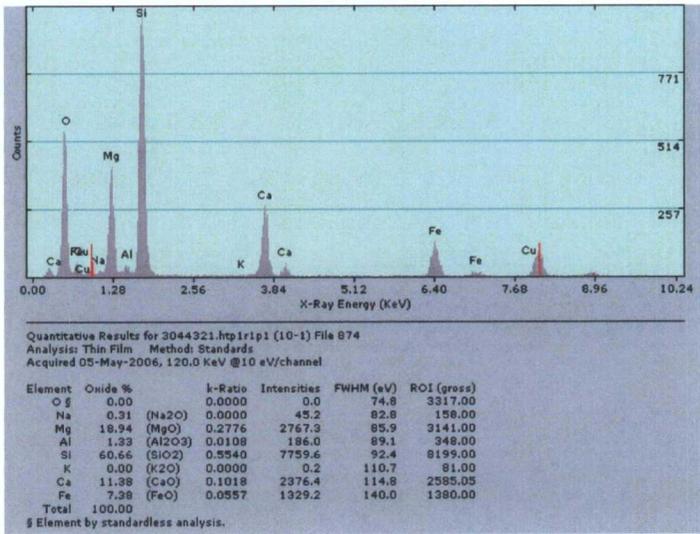
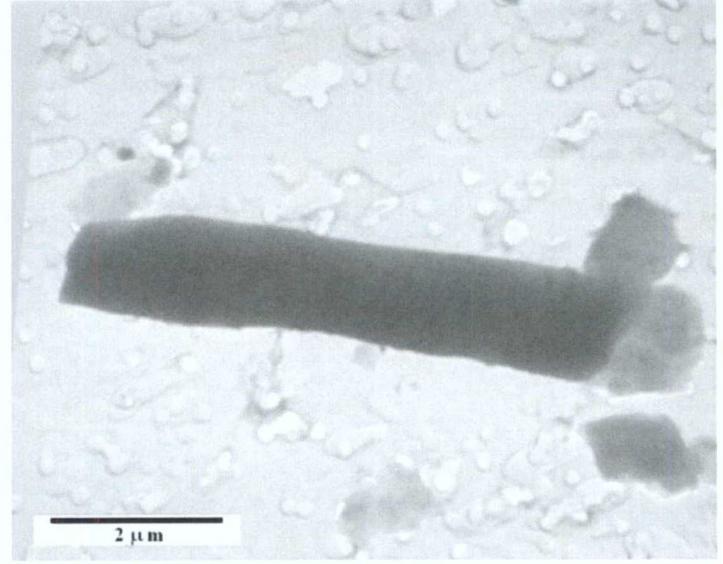
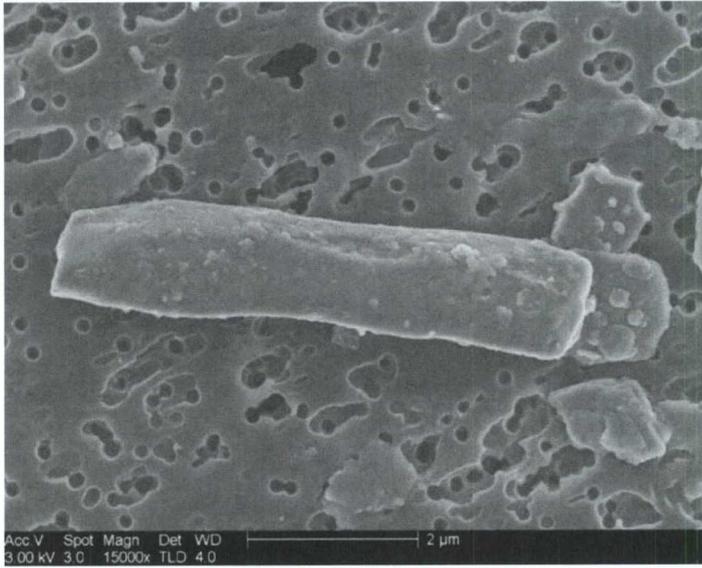


L = 10.1 W = .6 AR = 17:1

Mineral category: Amphibole

Zone	112	D1	8.58
Phi	83.3	D2	5.05

RJLG # 3044321 Field 9, Fiber 1
 CPS-S05-100804-FG2 -- Soil

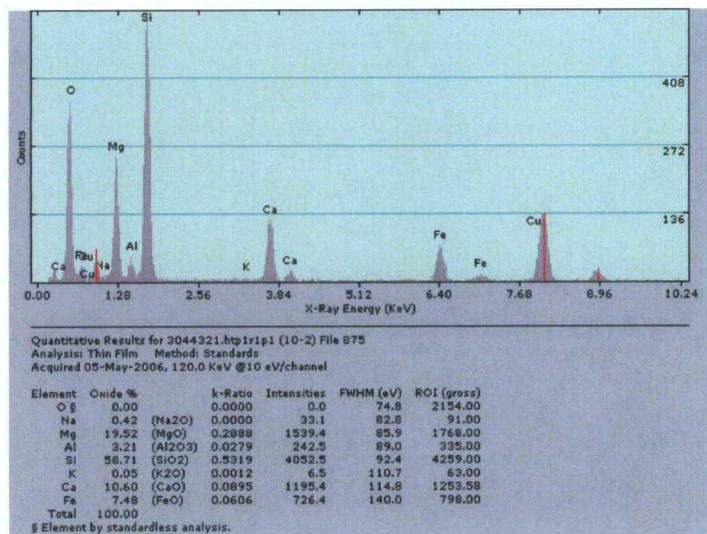
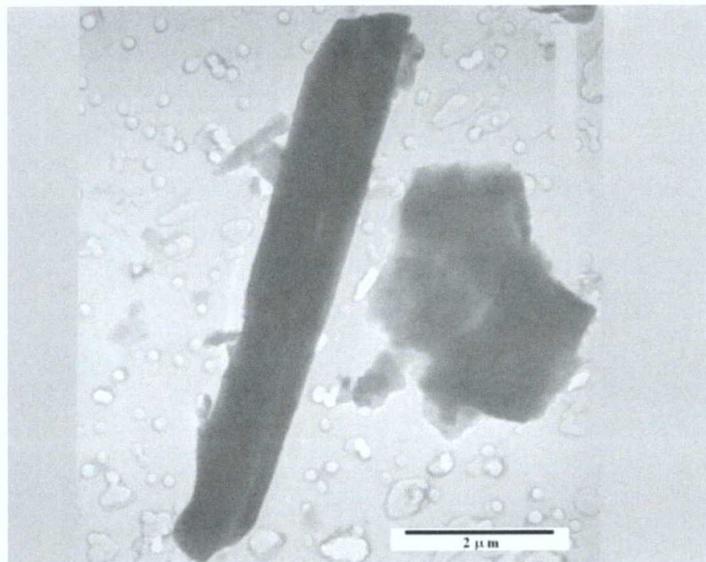


L = 7.2 W = 1.25 AR = 6:1

Mineral category: Amphibole

SAED not measured

RJLG # 3044321 Field 10, Fiber 1
 CPS-S05-100804-FG2 -- Soil

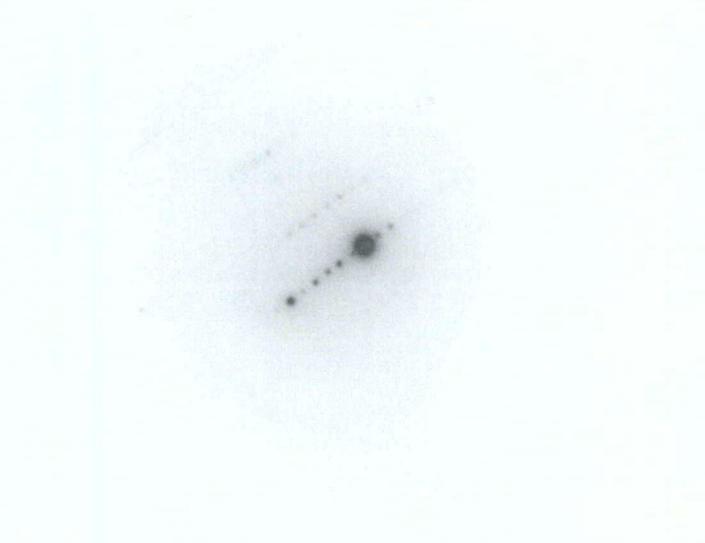
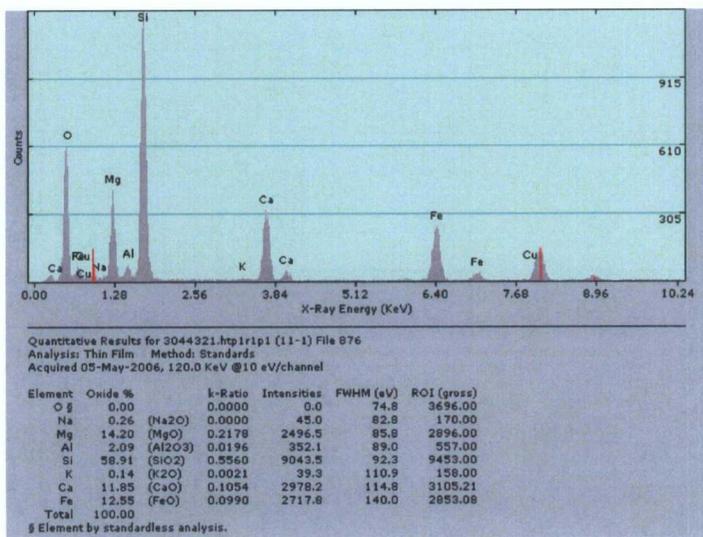
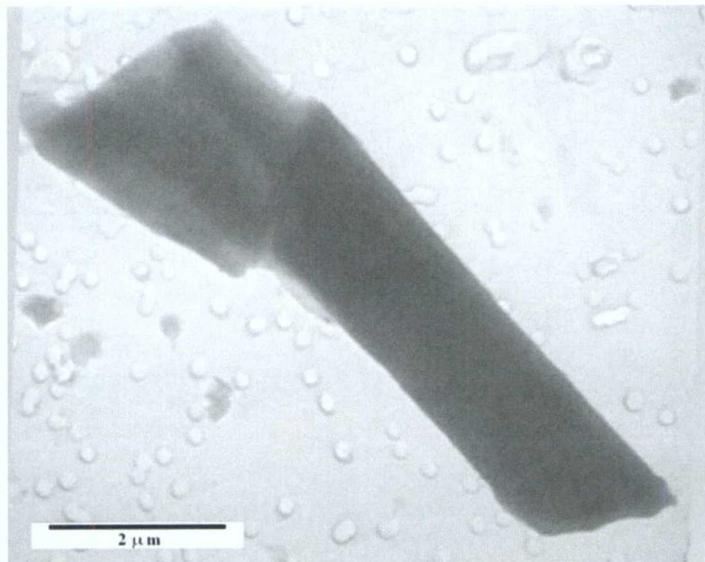


L = 8.2 W = 1.4 AR = 6:1

Mineral category: Amphibole

Zone	101	D1	9.29
Phi	77.9	D2	4.33

RJLG # 3044321 Field 10, Fiber 2
 CPS-S05-100804-FG2 -- Soil

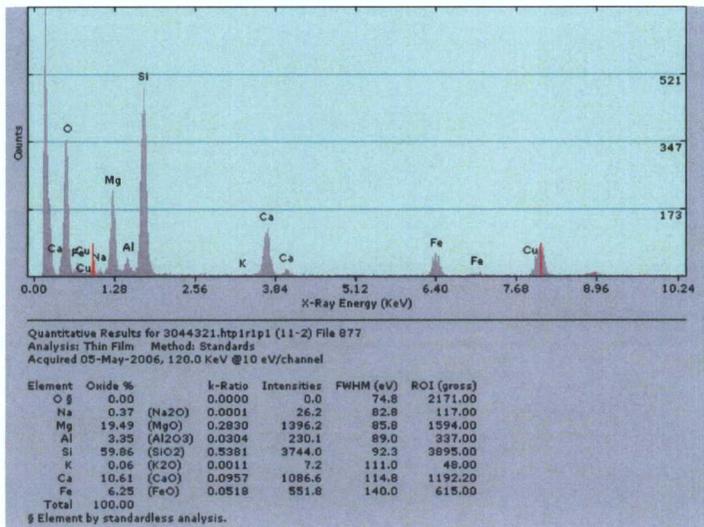
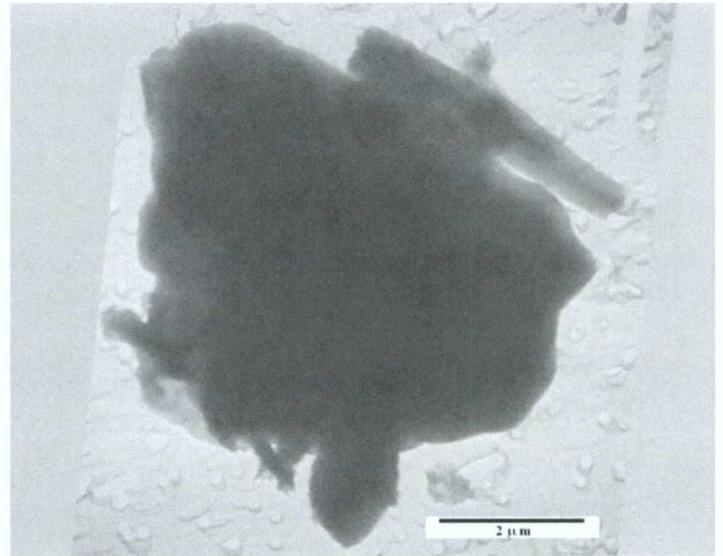
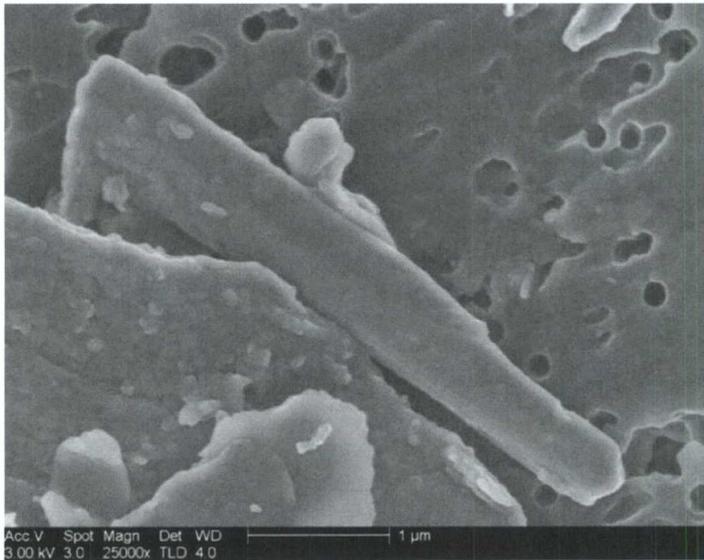


L = 6.7 W = 2 AR = 3:1

Mineral category: Amphibole

Zone	10-3	D1	9.27
Phi	81.3	D2	2.64

RJLG # 3044321 Field 11, Fiber 1
 CPS-S05-100804-FG2 -- Soil



L = 5.25 W = 1 AR = 5:1

Mineral category: Amphibole

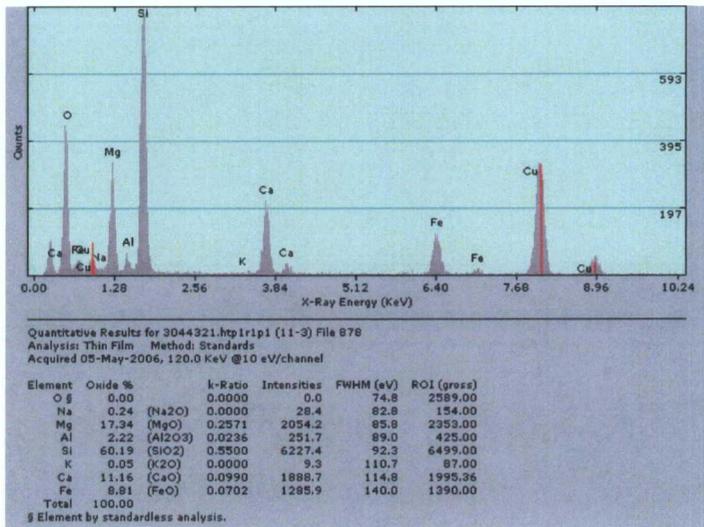
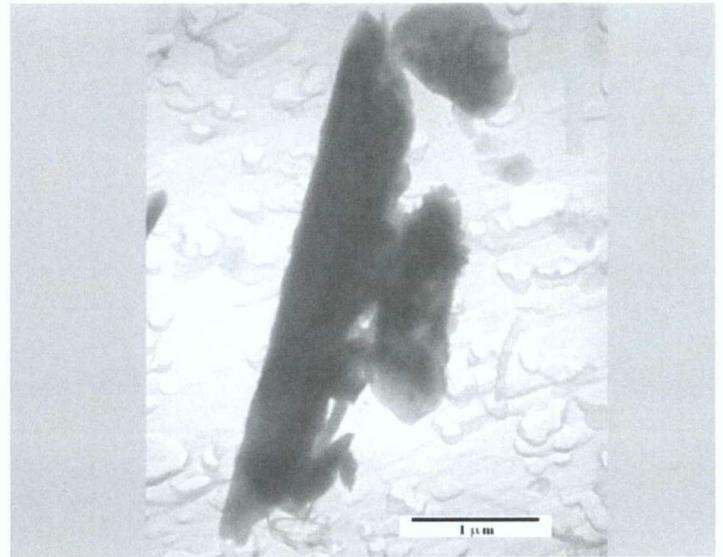
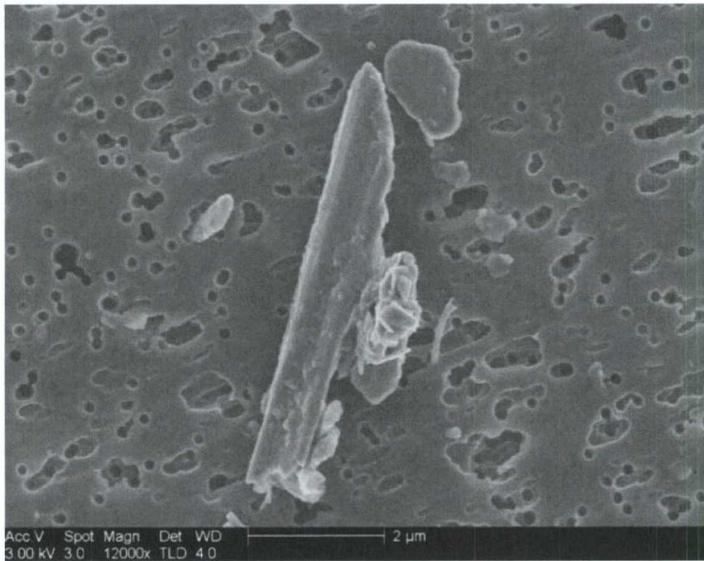
Zone 10-1

Phi 75.8

D1 9.23

D2 5.03

RJLG # 3044321 Field 11, Fiber 2
CPS-S05-100804-FG2 -- Soil



L = 6.1 W = 1.25 AR = 5:1

Mineral category: Amphibole

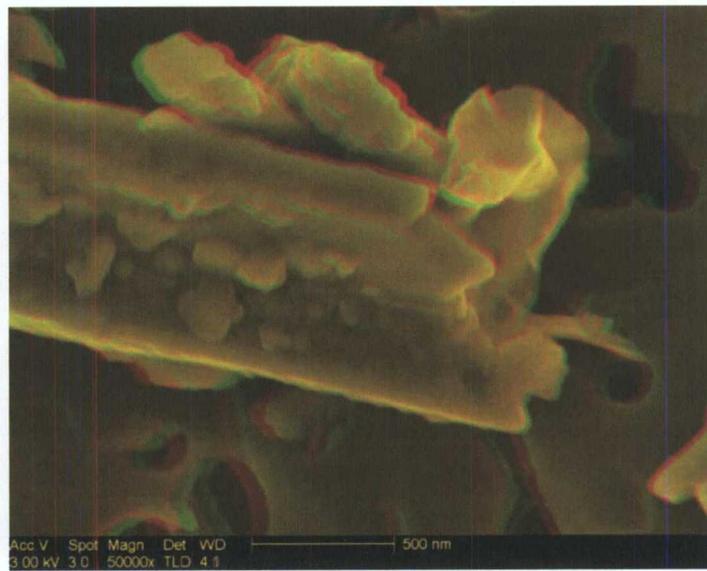
Zone 114

D1 8.63

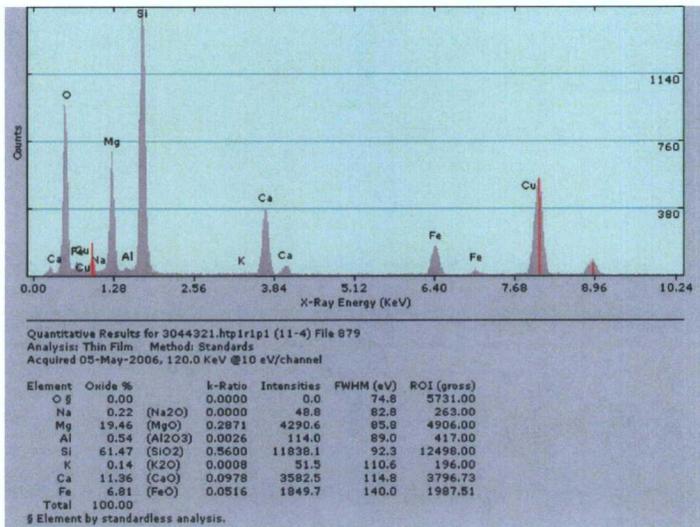
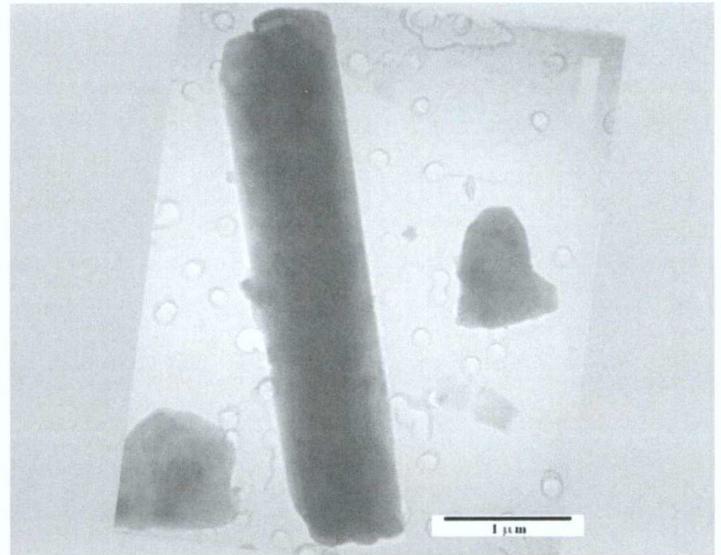
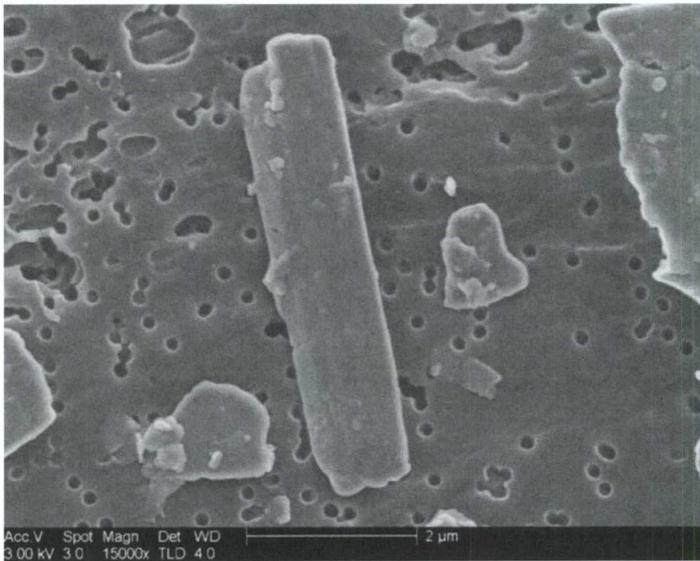
Phi 83.9

D2 3.87

RJLG # 3044321 Field 11, Fiber 3
CPS-S05-100804-FG2 -- Soil



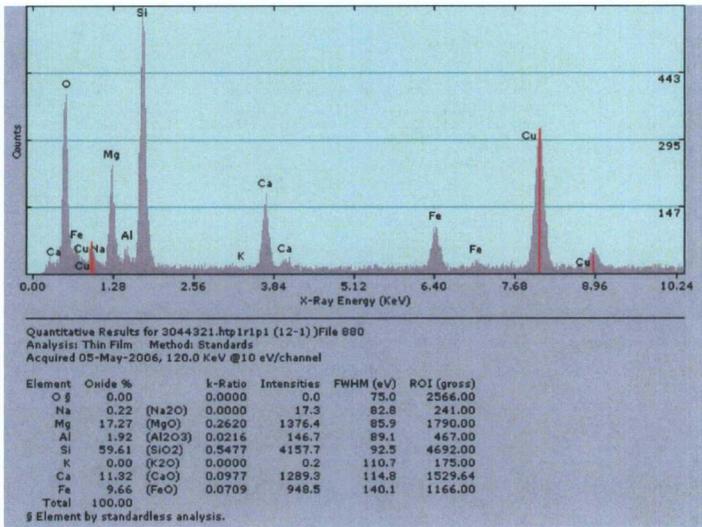
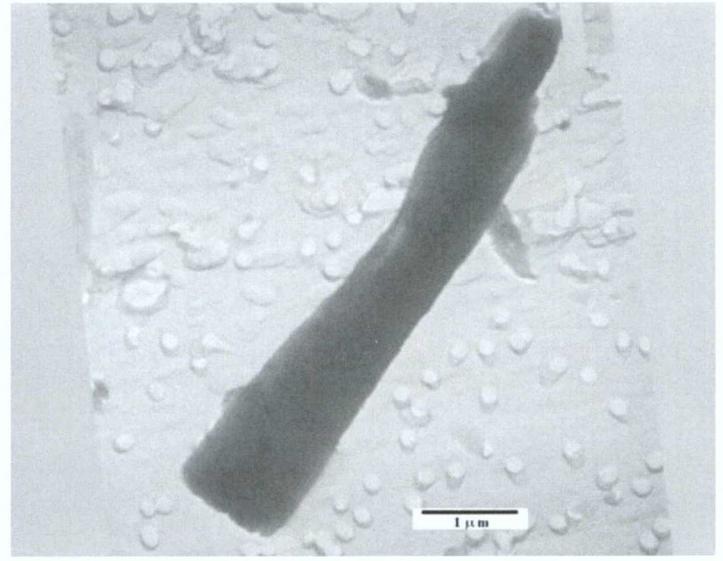
RJLG # 3044321 Field 11, Fiber 3
CPS-S05-100804-FG2 -- Soil



L = 6.25 W = 1.45 AR = 4:1
 Mineral category: Amphibole

Zone 510 D1 5.25
 Phi 84.1 D2 3.49

RJLG # 3044321 Field 11, Fiber 4
 CPS-S05-100804-FG2 -- Soil



L = 7.6 W = 1.25 AR = 6:1

Mineral category: Amphibole

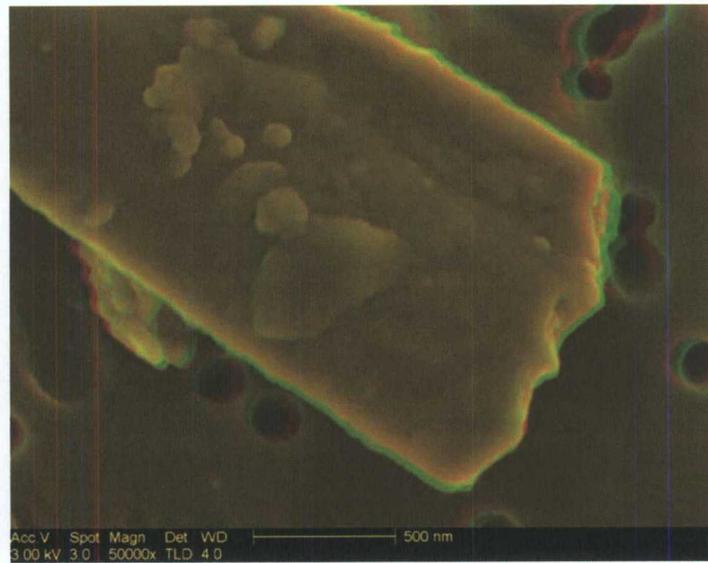
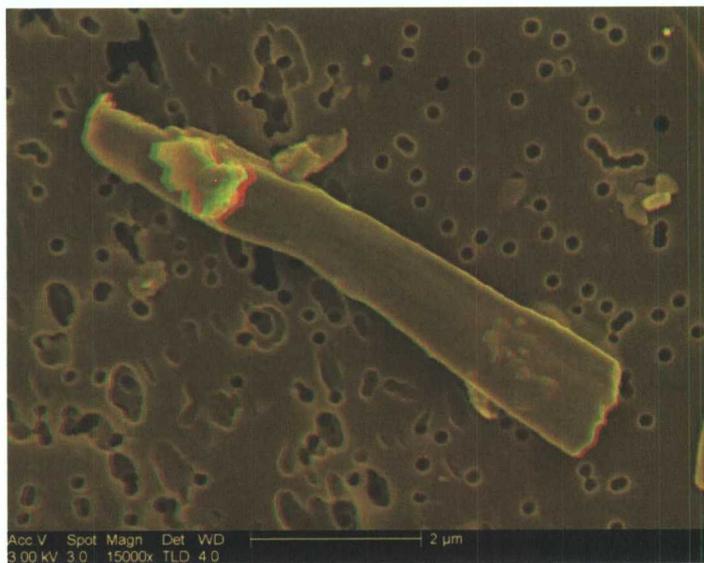
Zone 10-3

Phi 82.7

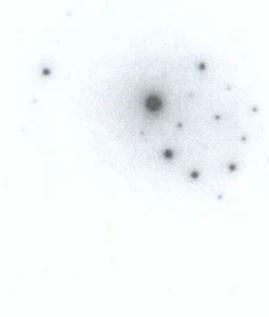
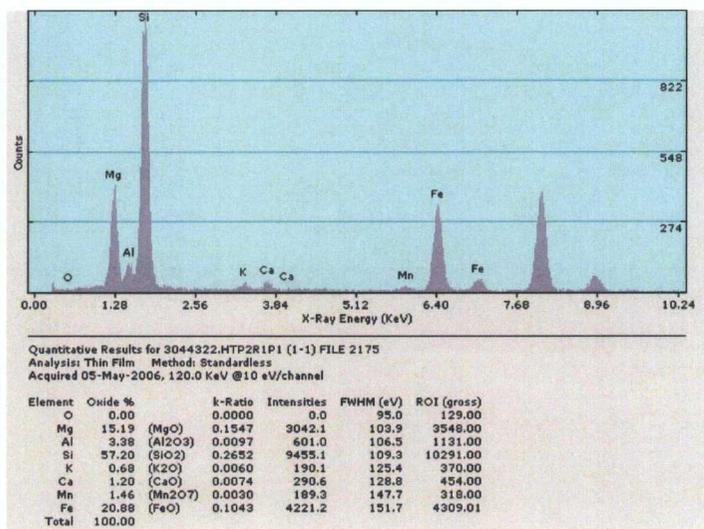
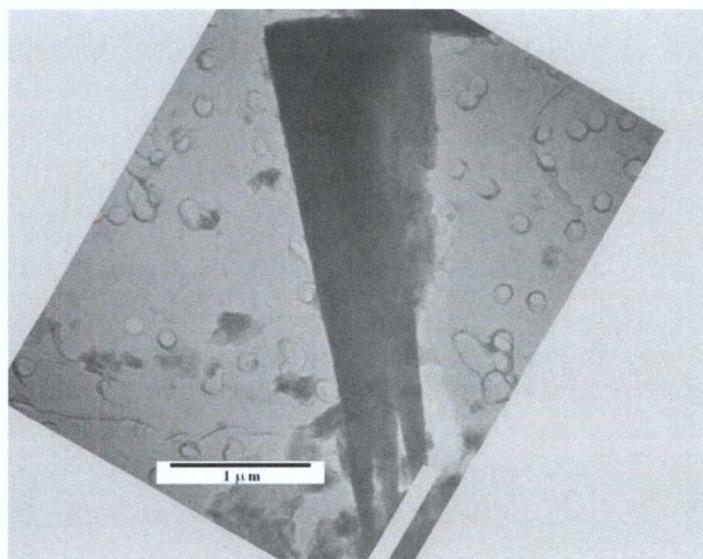
D1 9.42

D2 2.37

RJLG # 3044321 Field 12, Fiber 1
 CPS-S05-100804-FG2 -- Soil



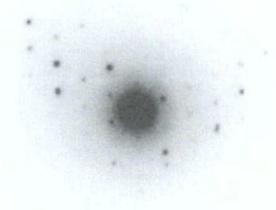
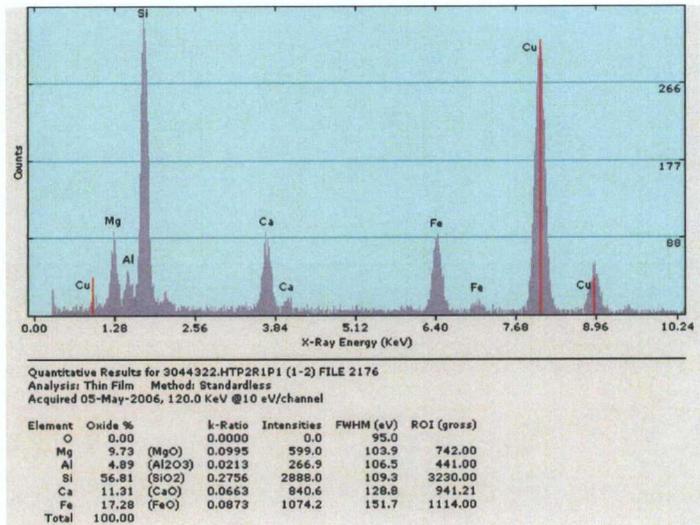
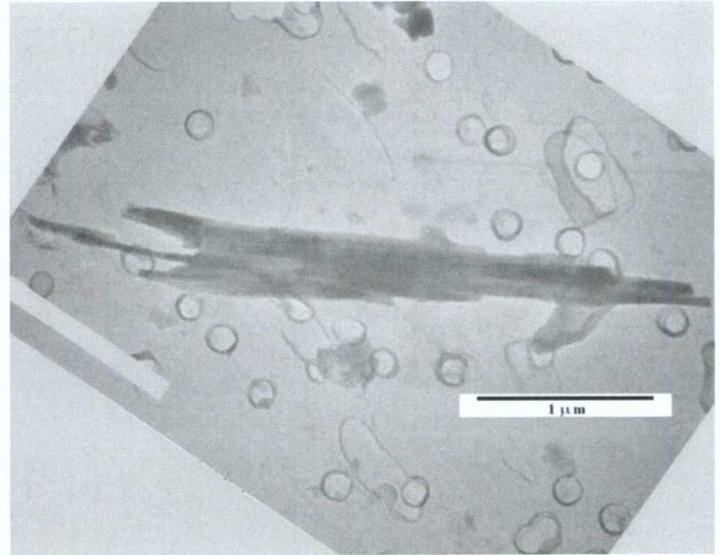
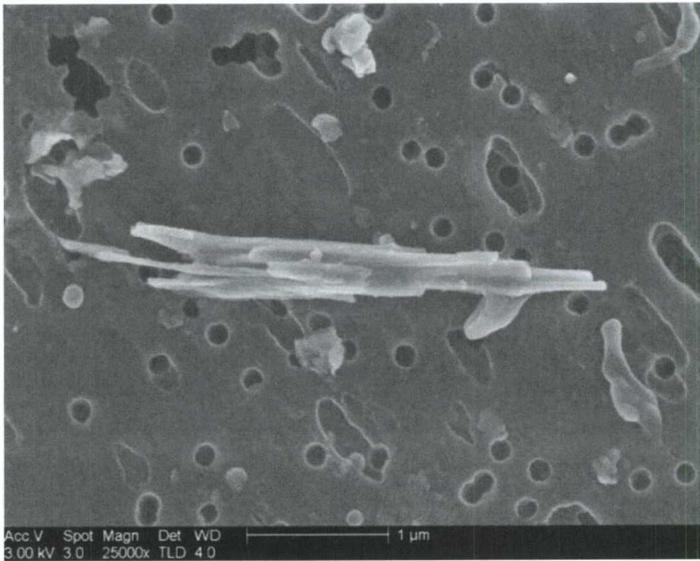
RJLG # 3044321 Field 12, Fiber 1
CPS-S05-100804-FG2 -- Soil



L = 4.1 W = .9 AR = 5:1
 Mineral category: Clay

Zone 210 D1 4.41
 Phi 57.3 D2 3.62

RJLG # 3044322 Field 1, Fiber 1
 CPS-S101-100804-FG2 -- Soil

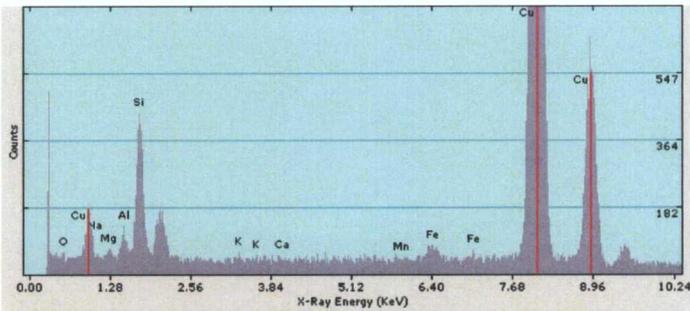
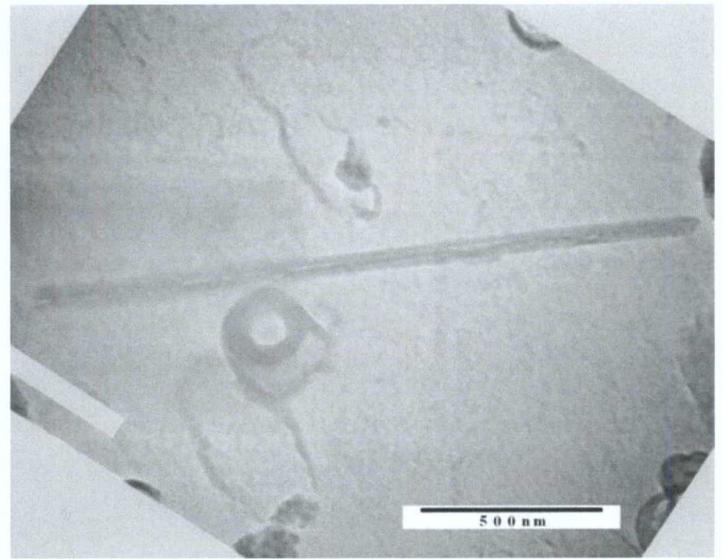
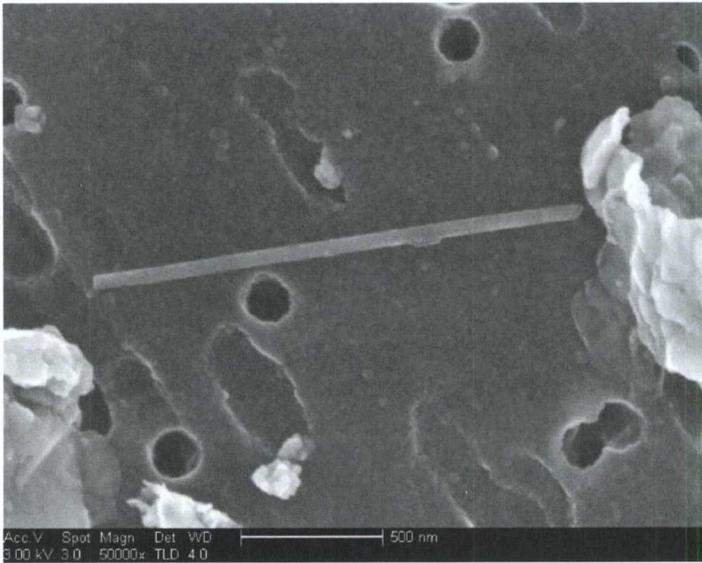


L = 3.2 W = .2 AR = 16:1

Mineral category: Amphibole

Zone	3-12	D1	5.25
Phi	69.6	D2	4.94

RJLG # 3044322 Field 1, Fiber 2
CPS-S101-100804-FG2 -- Soil



Quantitative Results for 3044322.HTP2R1P1 (1-3) FILE 2224
 Analysis: Thin Film Method: Standardless
 Acquired 19-May-2006, 120.0 KeV @10 eV/channel

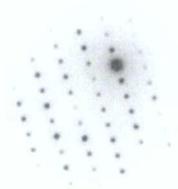
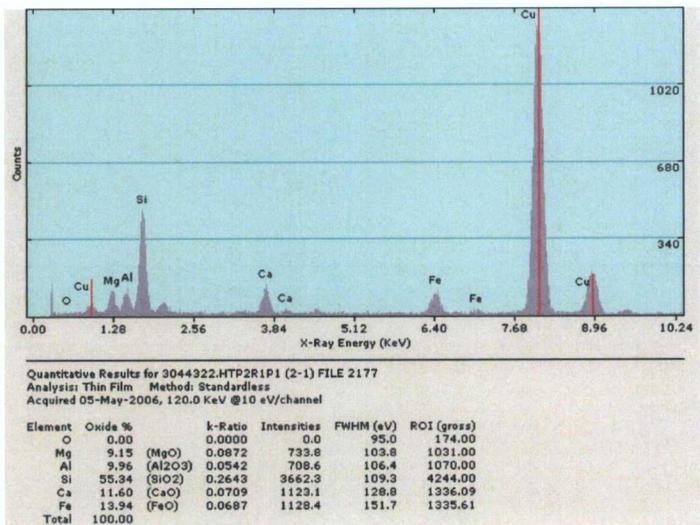
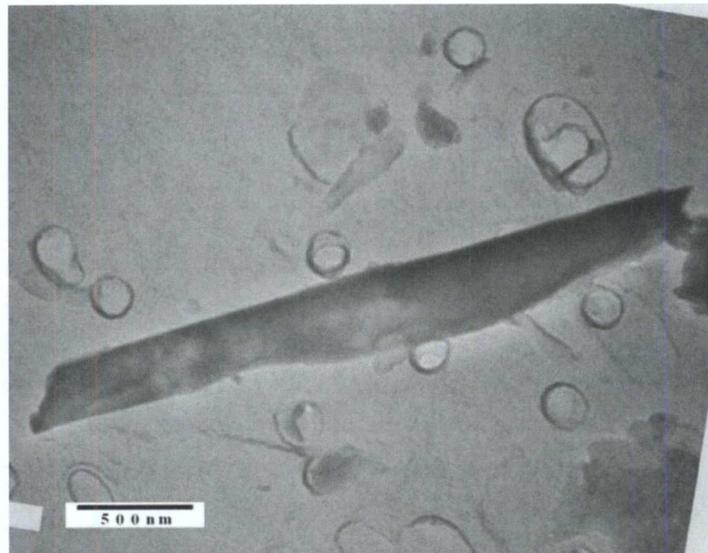
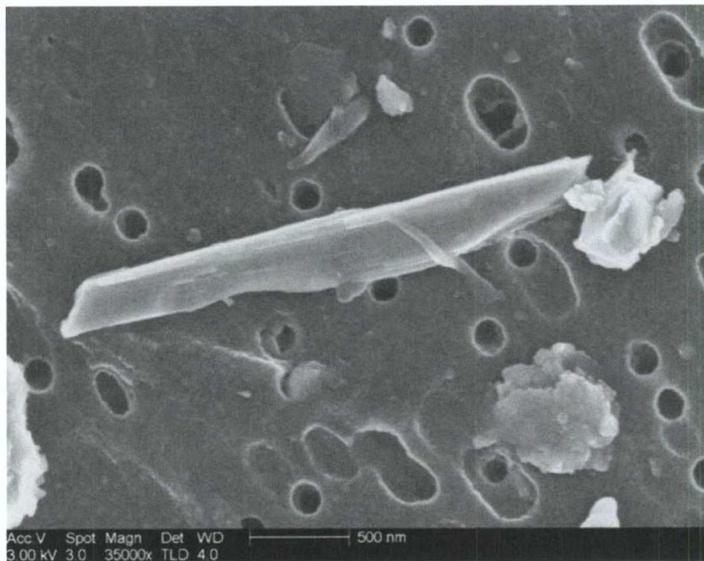
Element	Oxide %	I-Ratio	Intensities	FWHM (eV)	ROI (gross)
O	0.00	0.0000	0.0	95.4	540.26
Na	2.15 (Na ₂ O)	0.0001	115.1	101.2	703.00
Mg	0.41 (MgO)	0.0326	19.4	109.8	670.00
Al	7.89 (Al ₂ O ₃)	0.0643	330.9	106.4	1093.00
Si	76.98 (SiO ₂)	0.3511	3003.8	109.3	3982.00
K	0.82 (K ₂ O)	0.0105	54.0	125.1	578.00
Ca	0.73 (CaO)	0.0064	41.4	129.2	
Mn	1.29 (Mn ₂ O ₇)	0.0001	39.6	147.7	603.00
Fe	9.73 (FeO)	0.0399	464.7	151.6	1098.15
Total	100.00				

L = 1.75 W = .03 AR = 58:1

No SAED pattern acquired

Mineral category: Unknown

RJLG # 3044322 Field 1, Fiber 3
 CPS-S101-100804-FG2 -- Soil



L = 3.2 W = .2 AR = 16:1

Mineral category: Amphibole

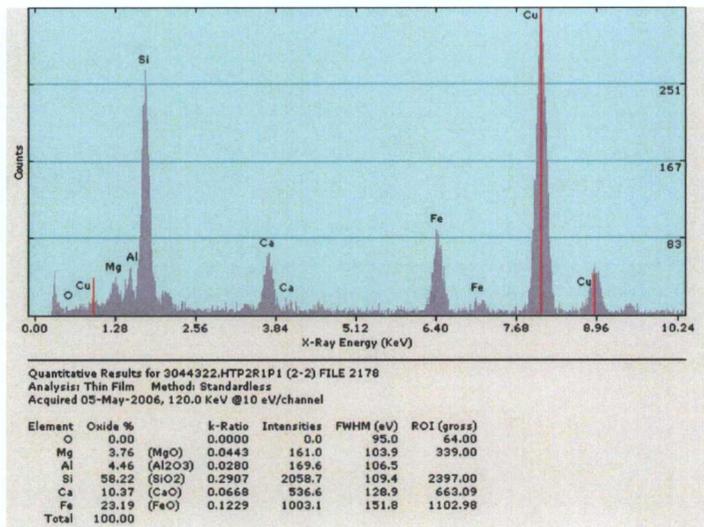
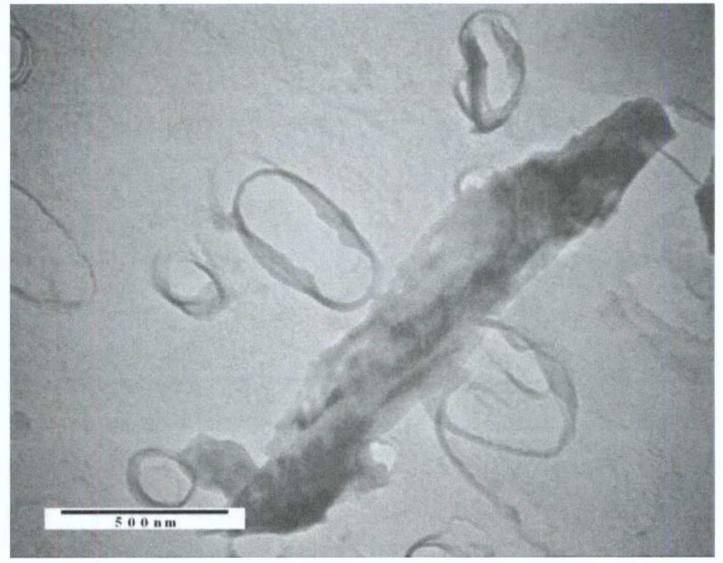
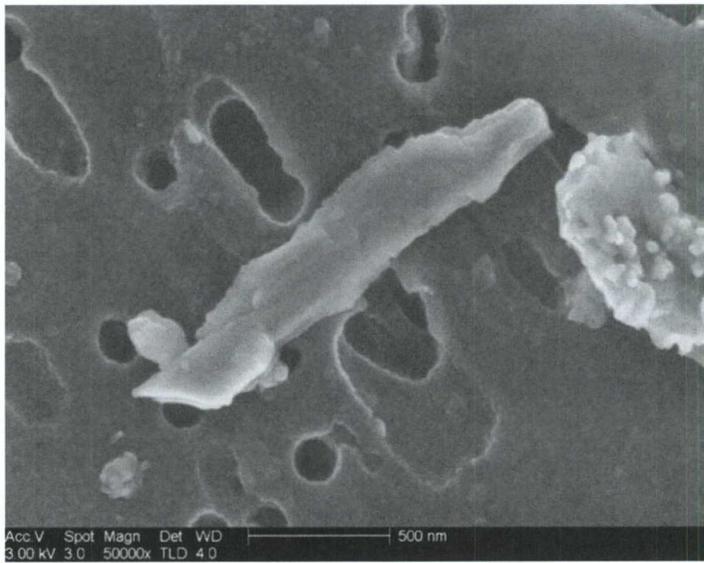
Zone 1-10

D1 8.51

Phi 78.1

D2 5.18

RJLG # 3044322 Field 2, Fiber 1
 CPS-S101-100804-FG2 -- Soil

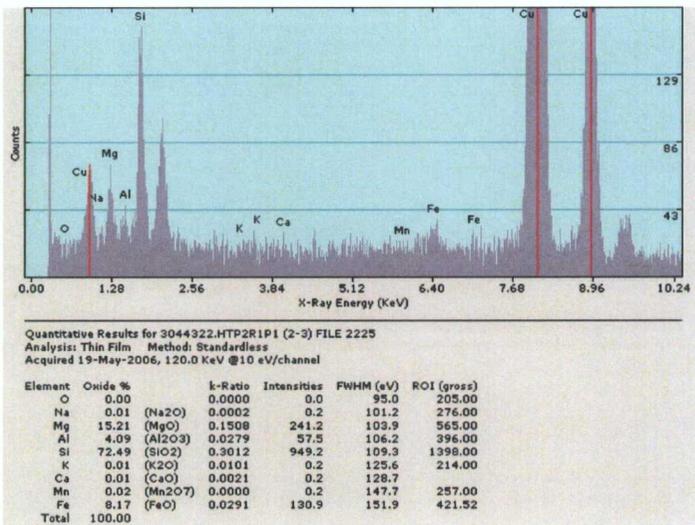
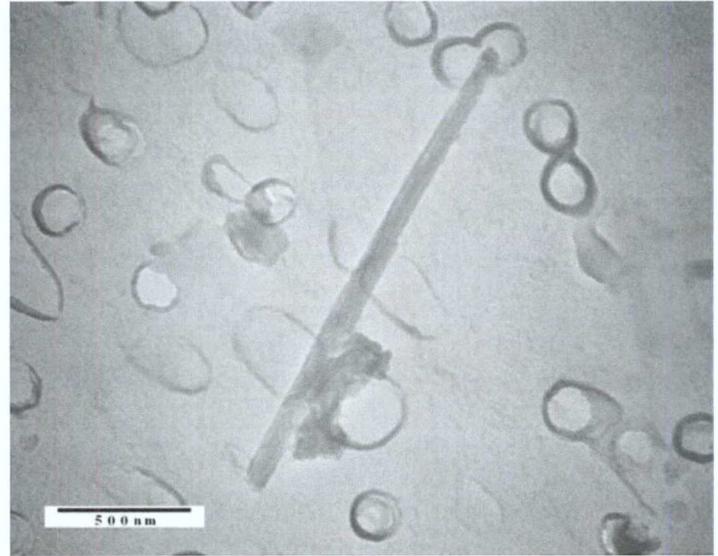
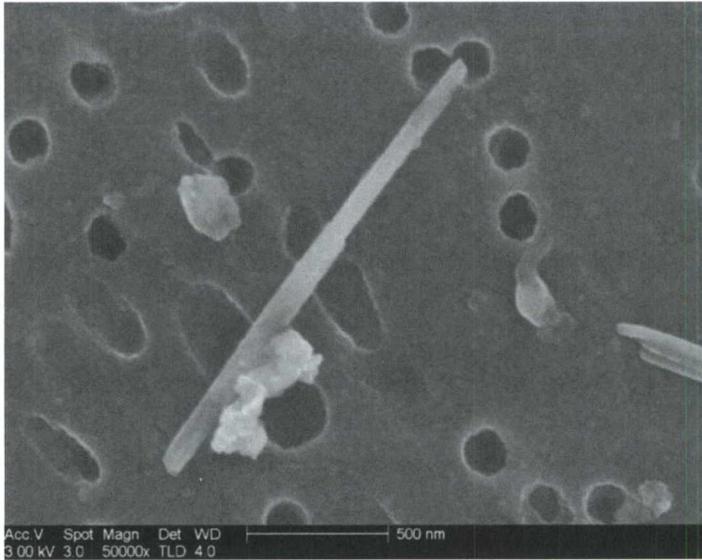


L = 2.6 W = .3 AR = 9:1

No SAED pattern acquired

Mineral category: Amphibole

RJLG # 3044322 Field 2, Fiber 2
 CPS-S101-100804-FG2 -- Soil

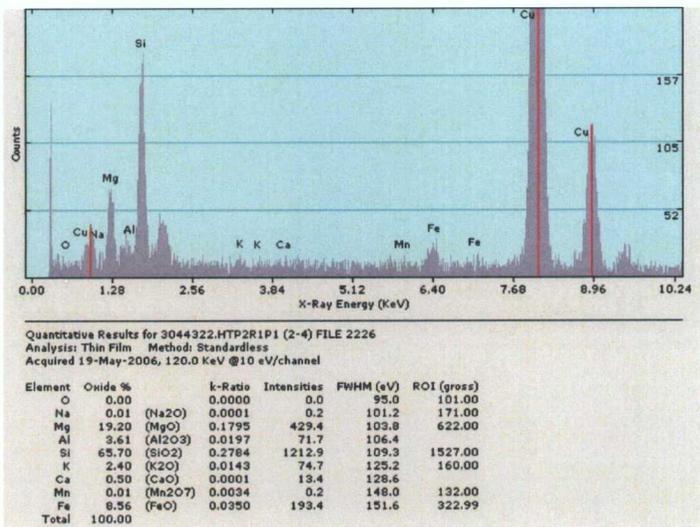
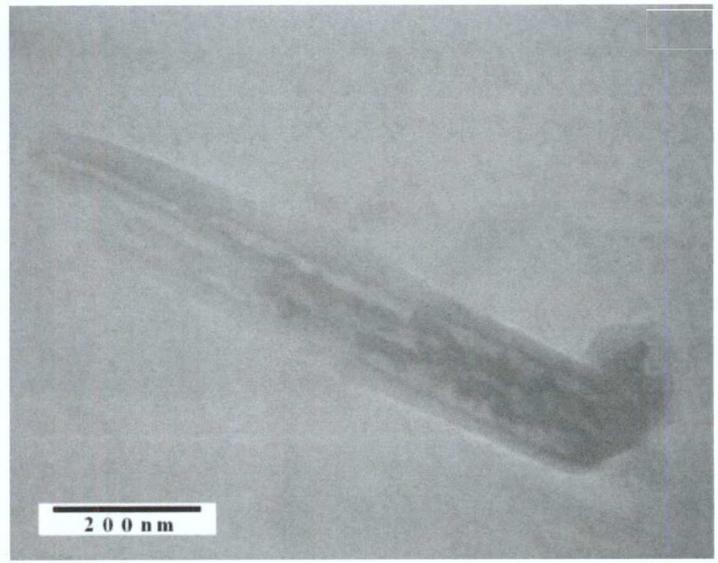
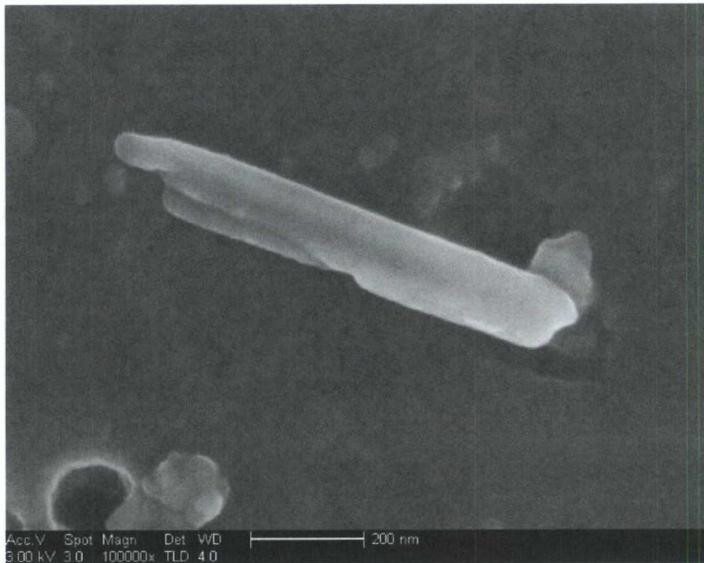


L = 1.75 W = .05 AR = 35:1

No SAED pattern acquired

Mineral category: Serpentine

RJLG # 3044322 Field 2, Fiber 3
CPS-S101-100804-FG2 -- Soil

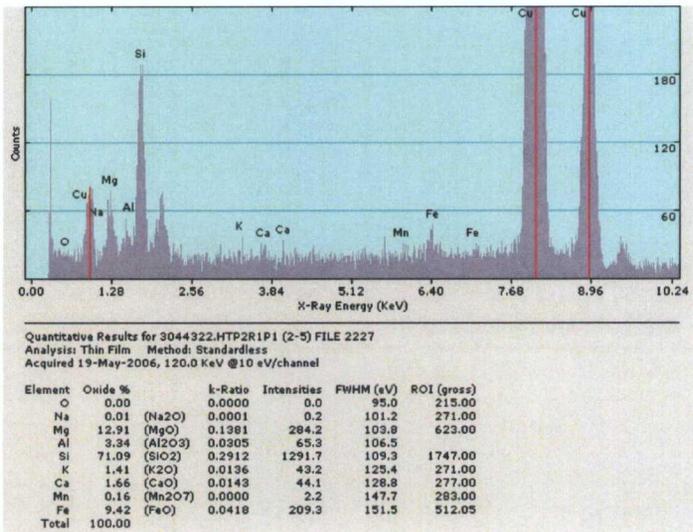
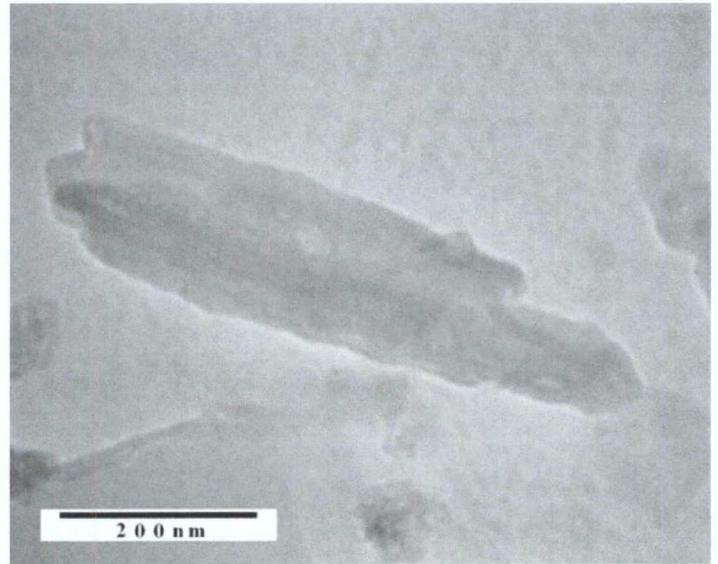
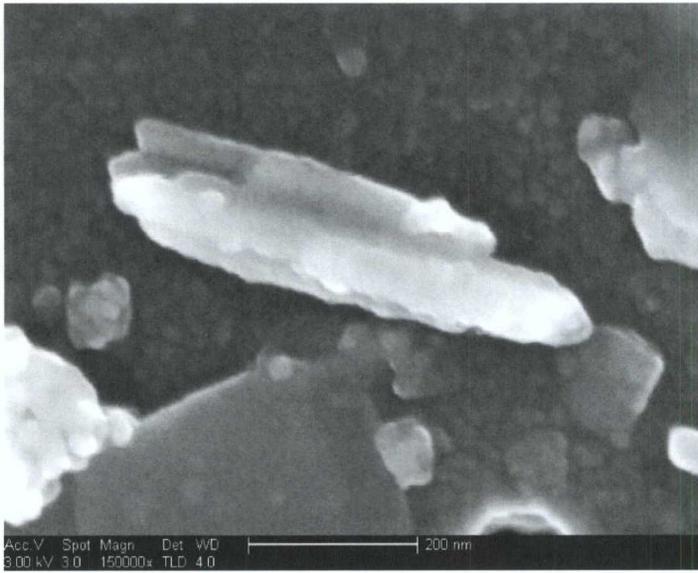


L = .75 W = .15 AR = 5:1

No SAED pattern acquired

Mineral category: Serpentine

RJLG # 3044322 Field 2, Fiber 4
 CPS-S101-100804-FG2 -- Soil

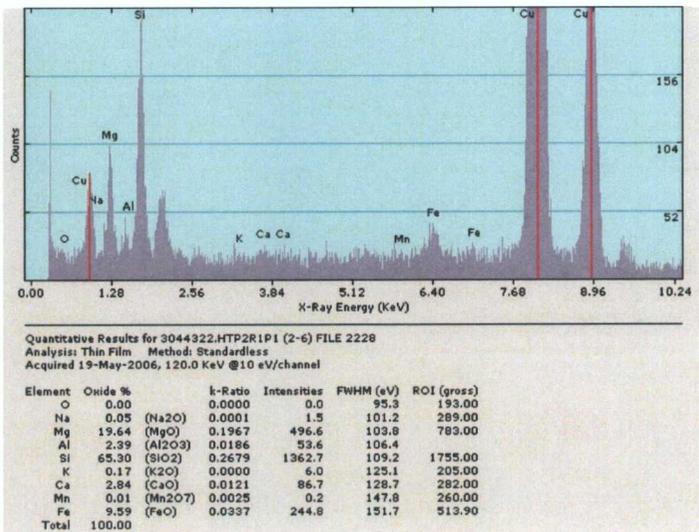
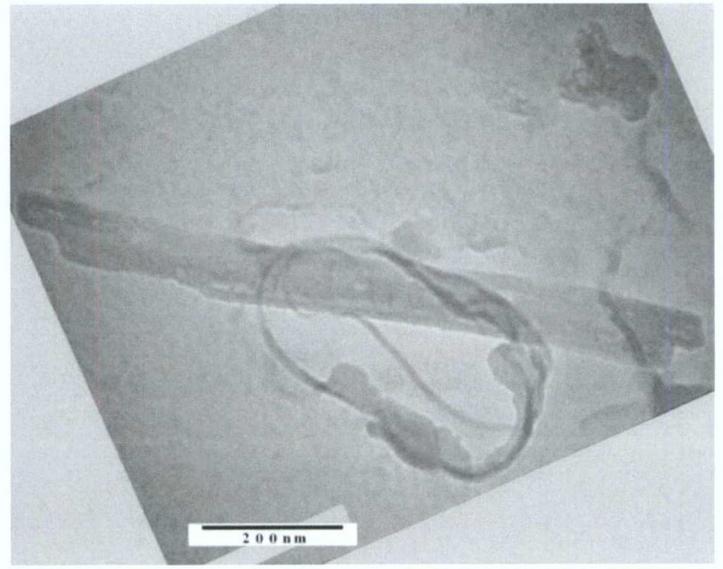
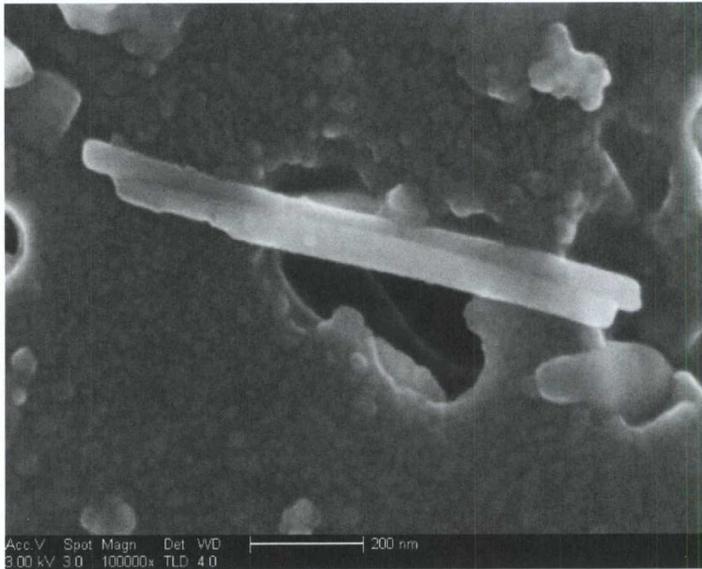


L = 1 W = .05 AR = 20:1

Mineral category: Serpentine

No SAED pattern acquired

RJLG # 3044322 Field 2, Fiber 5
 CPS-S101-100804-FG2 -- Soil

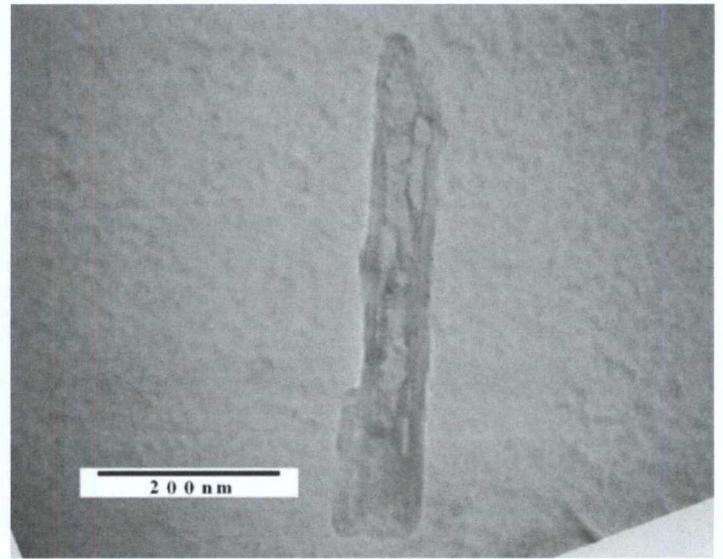
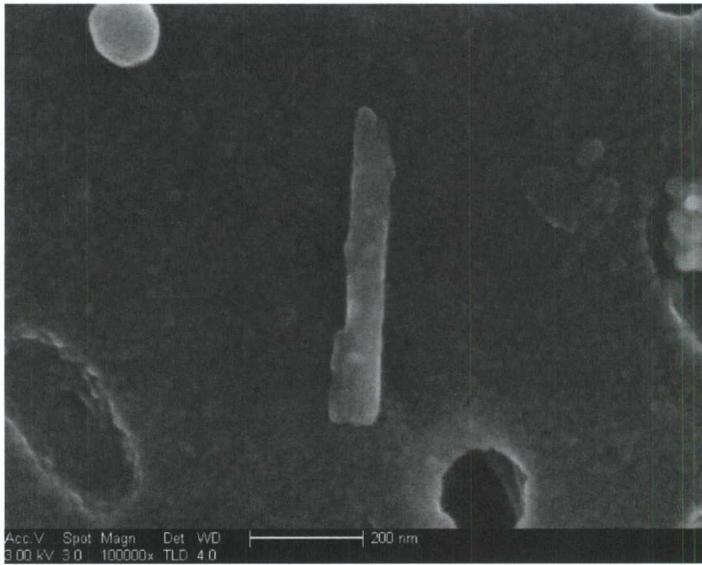


L = .5 W = .07 AR = 7:1

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 2, Fiber 6
 CPS-S101-100804-FG2 -- Soil



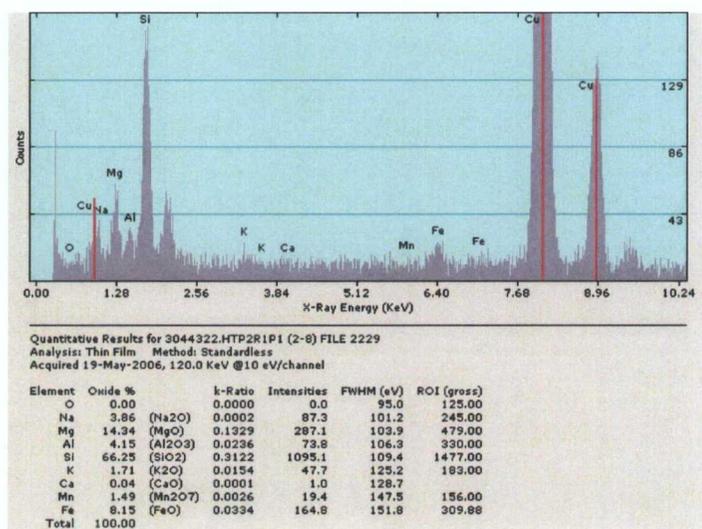
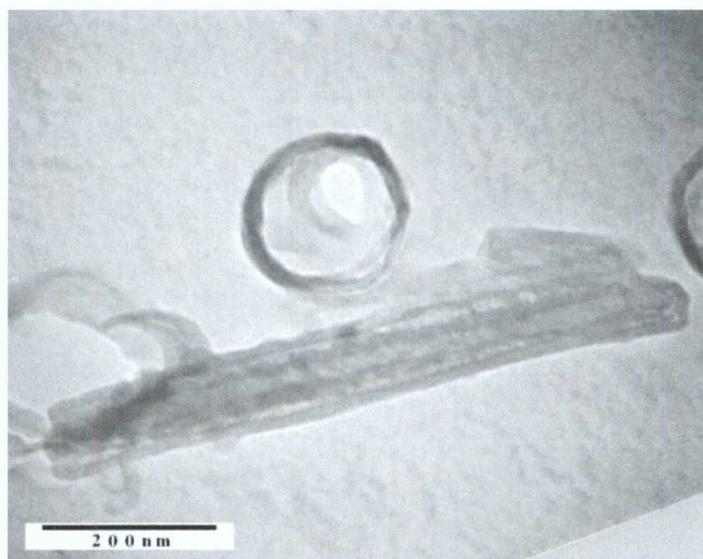
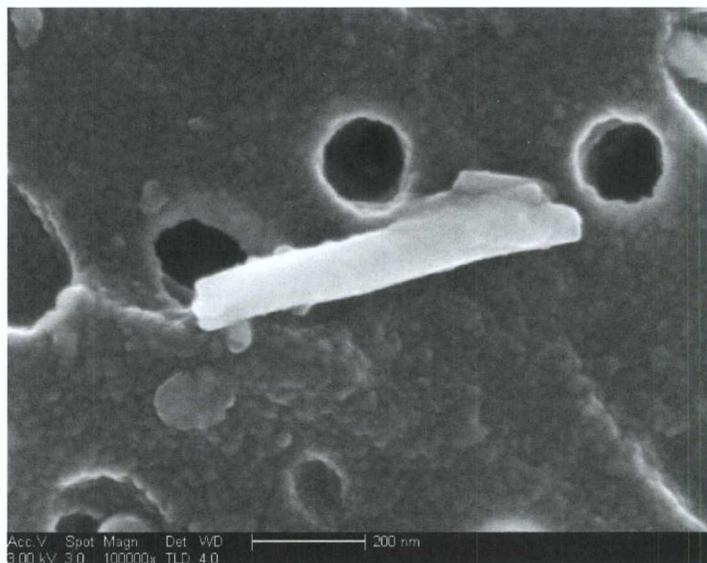
MgSi - Chrysotile

L = .3 W = .05 AR = 6:1

Mineral category: Serpentine

No SAED pattern acquired

RJLG # 3044322 Field 2, Fiber 7
CPS-S101-100804-FG2 -- Soil

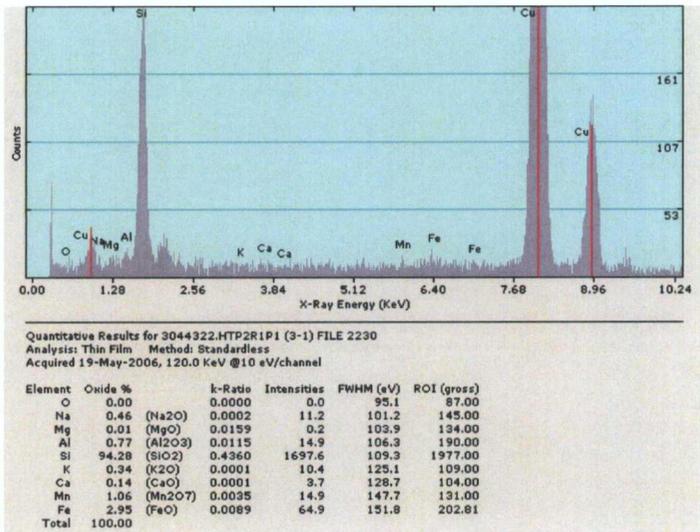
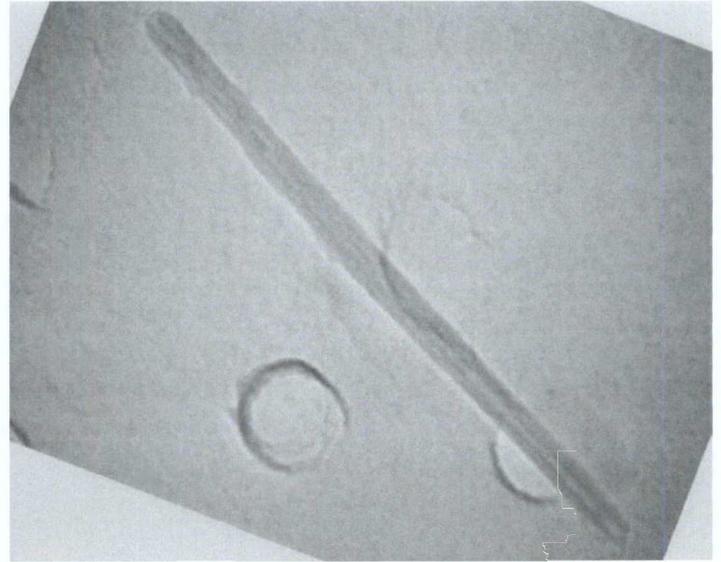
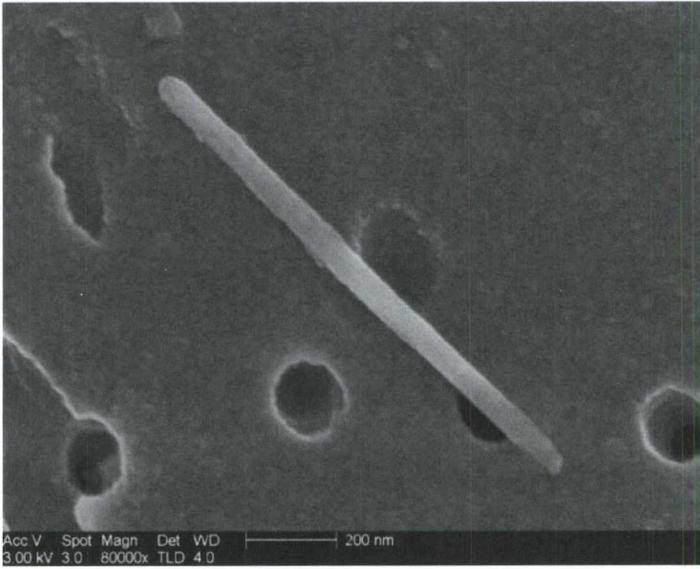


L = .6 W = .05 AR = 12:1

Mineral category: Serpentine

No SAED pattern acquired

RJLG # 3044322 Field 2, Fiber 8
 CPS-S101-100804-FG2 -- Soil

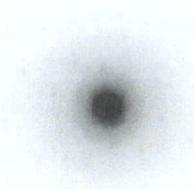
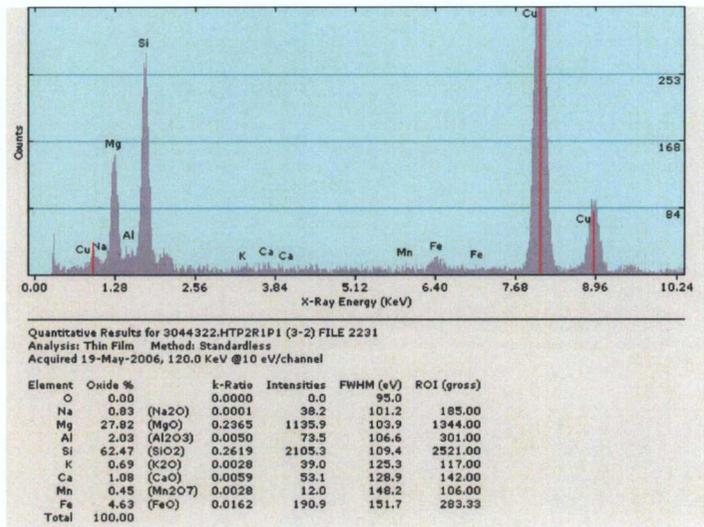
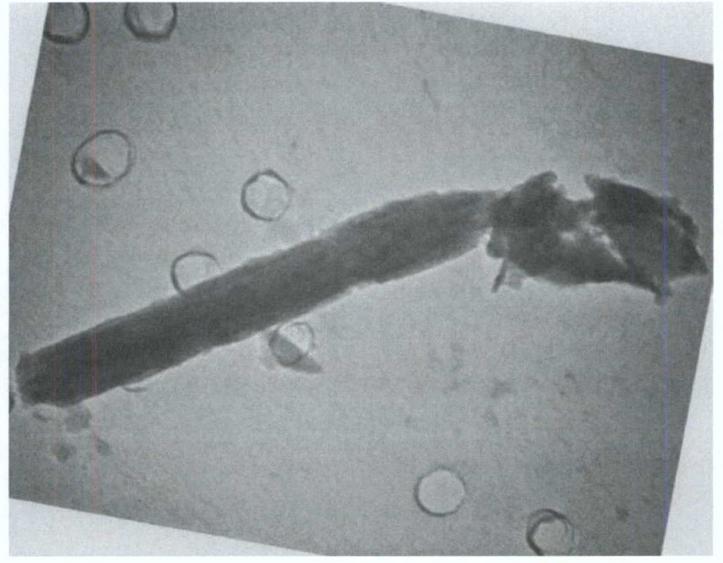
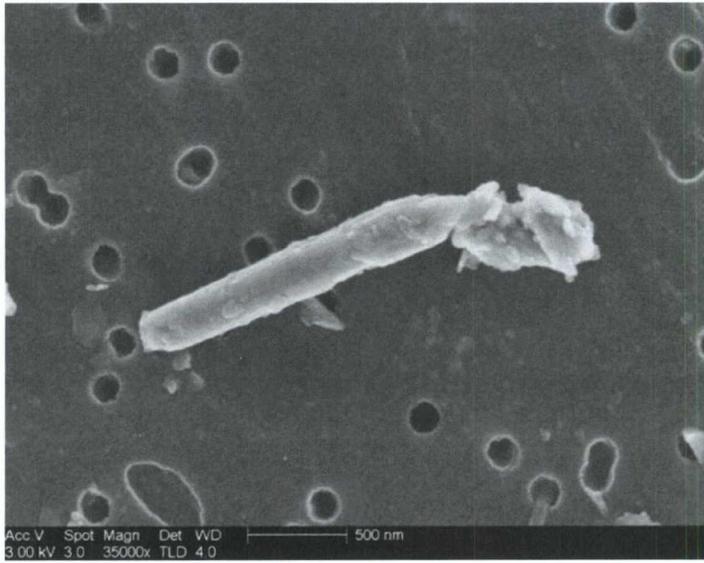


L = 1.1 W = .03 AR = 37:1

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 3, Fiber 1
 CPS-S101-100804-FG2 -- Soil

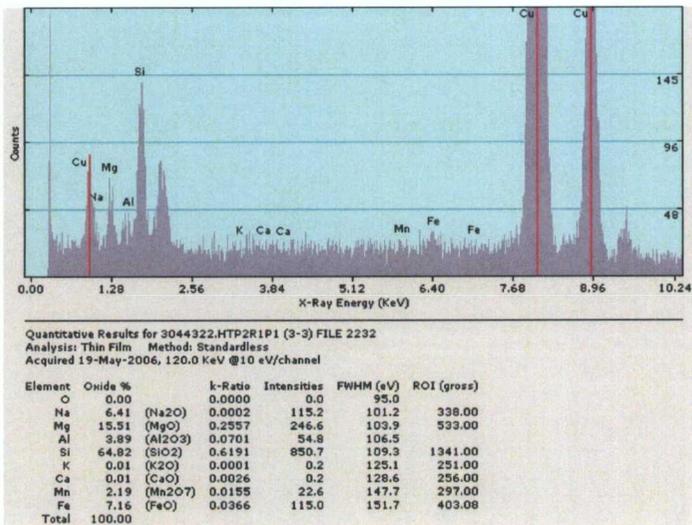
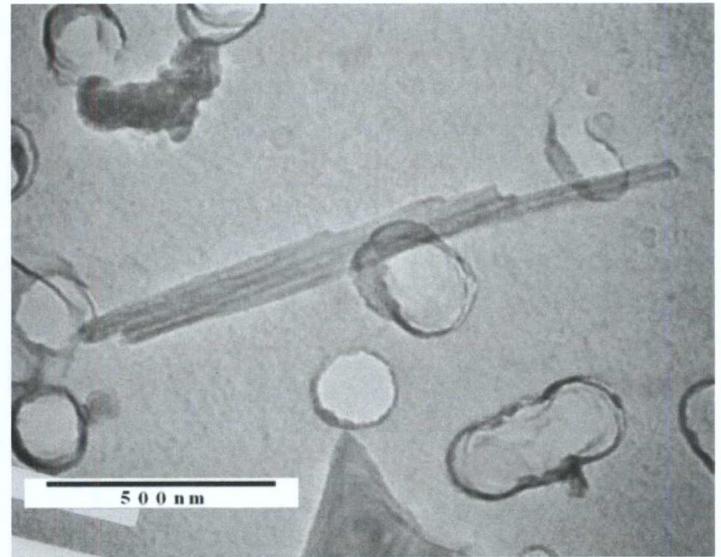
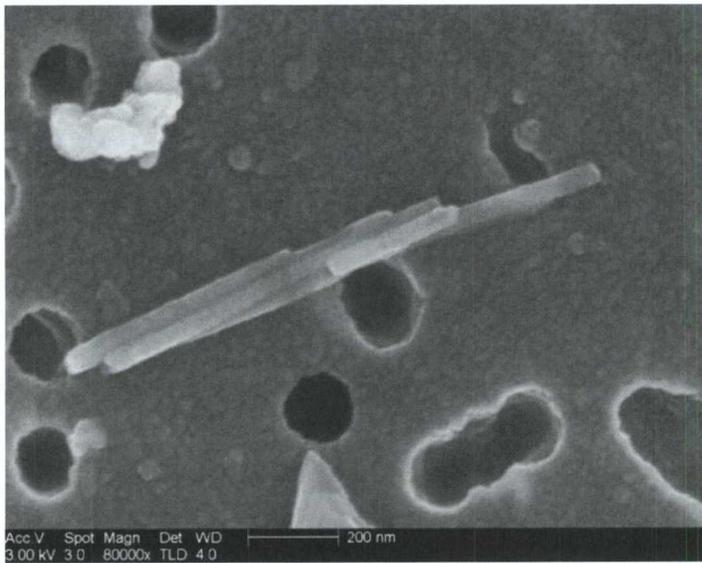


Chrysotile

L = 1.75 W = .25 AR = 7:1

Mineral category: Serpentine

RJLG # 3044322 Field 3, Fiber 2
 CPS-S101-100804-FG2 -- Soil

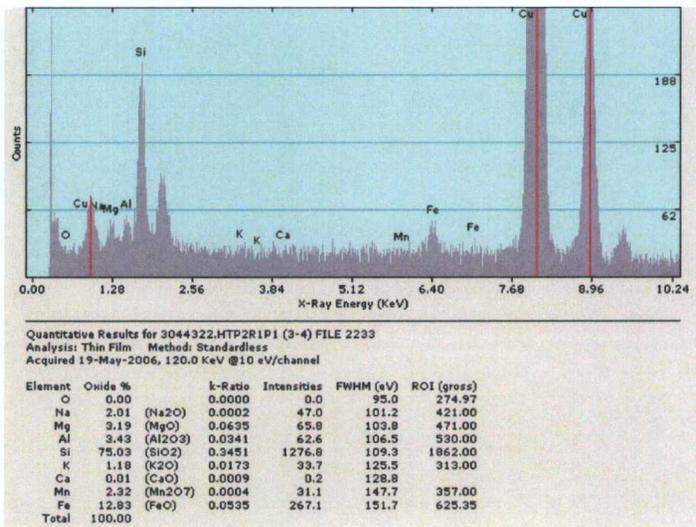
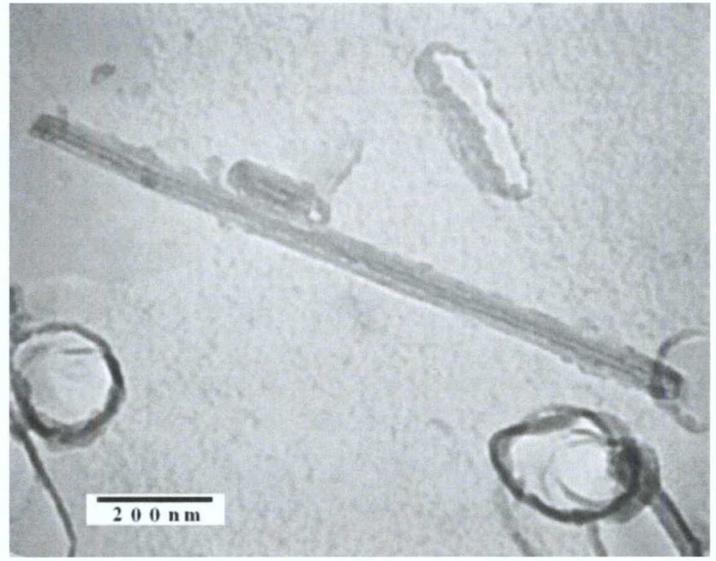


L = 1.3 W = .05 AR = 26:1

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 3, Fiber 3
CPS-S101-100804-FG2 -- Soil

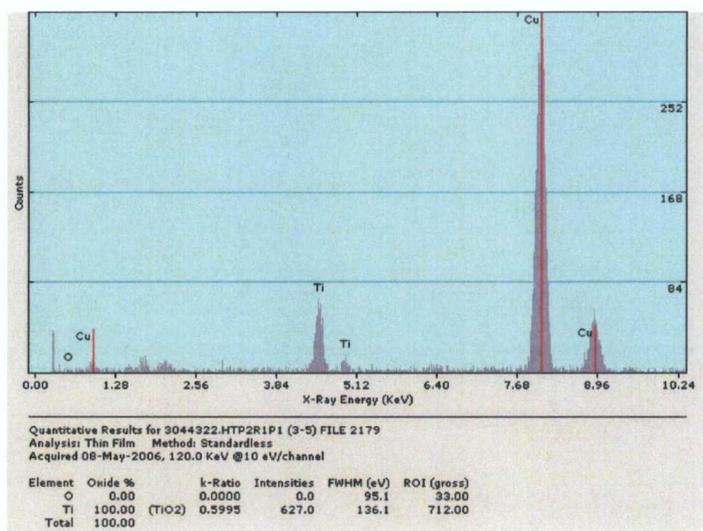
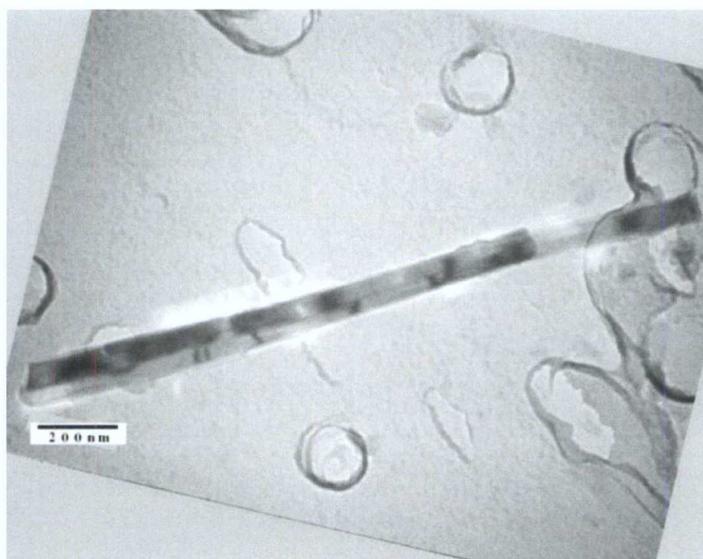
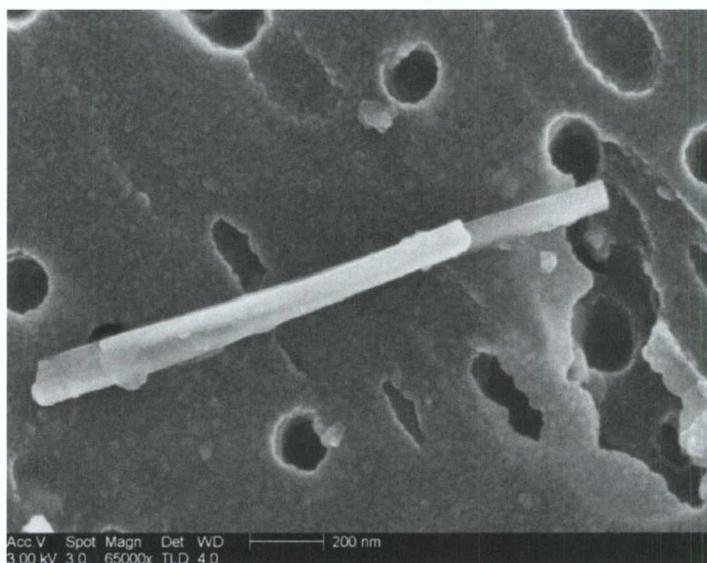


L = 1.1 W = .03 AR = 37:1

No SAED pattern acquired

Mineral category: Unknown

RJLG # 3044322 Field 3, Fiber 4
 CPS-S101-100804-FG2 -- Soil

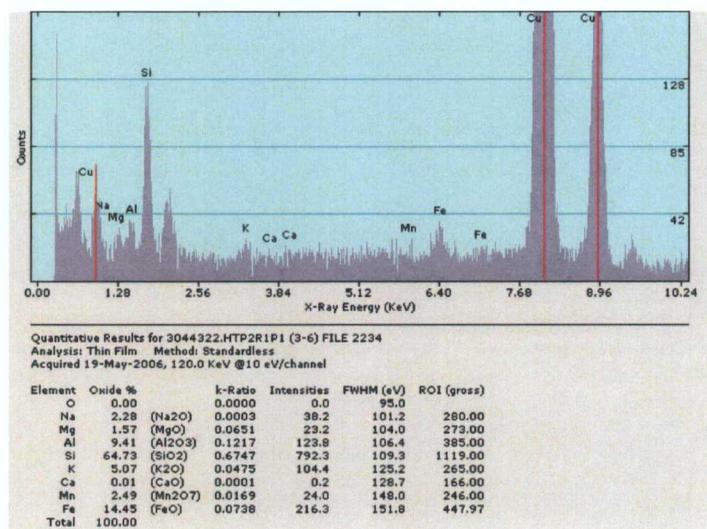
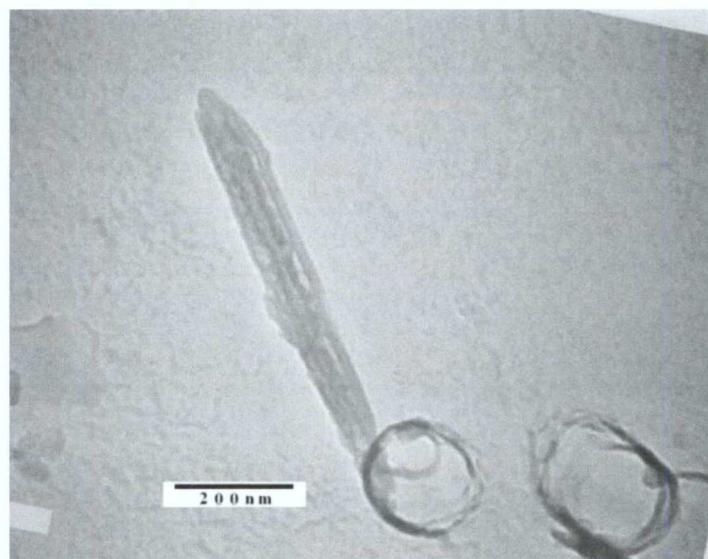


L = 1.6 W = .04 AR = 40:1

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 3, Fiber 5
CPS-S101-100804-FG2 -- Soil

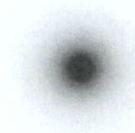
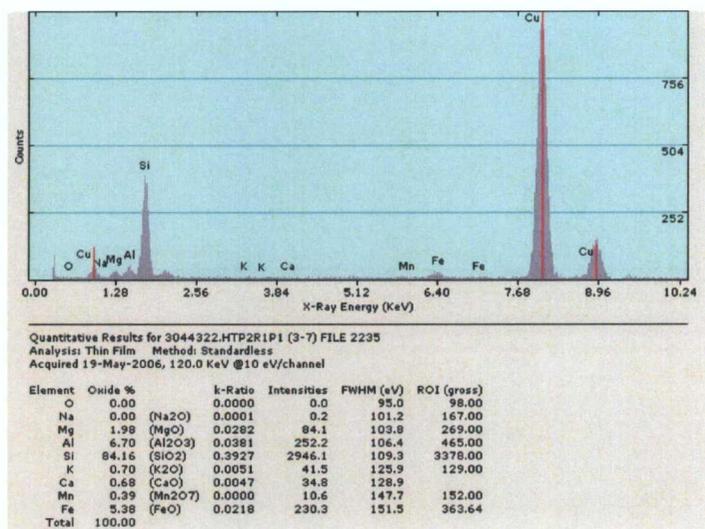
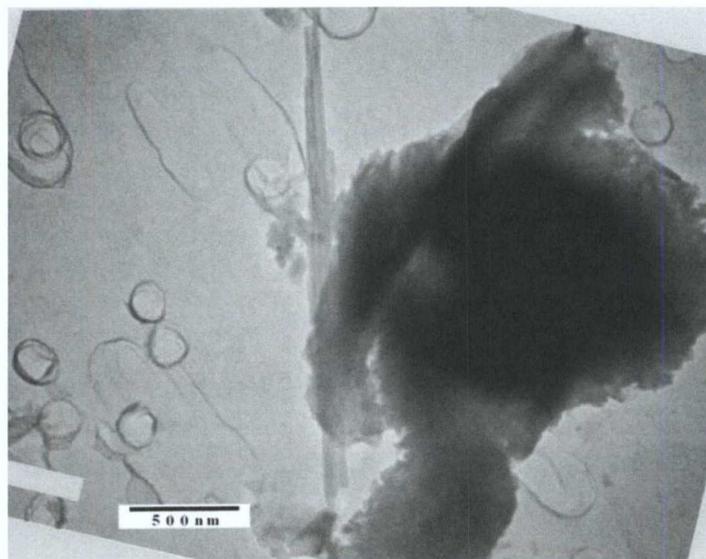


L = .6 W = .04 AR = 15:1

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 3, Fiber 6
 CPS-S101-100804-FG2 -- Soil

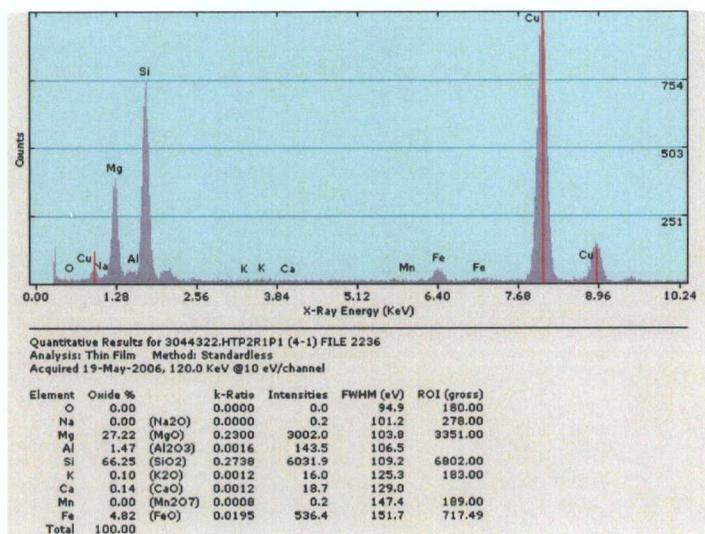
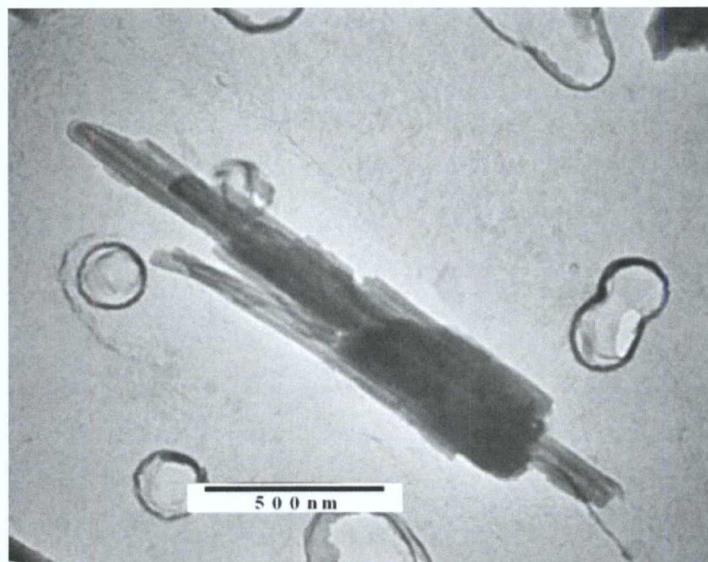


L = 2.1 W = .07 AR = 30:1

Mineral category: Serpentine

Chrysotile

RJLG # 3044322 Field 3, Fiber 7
CPS-S101-100804-FG2 -- Soil

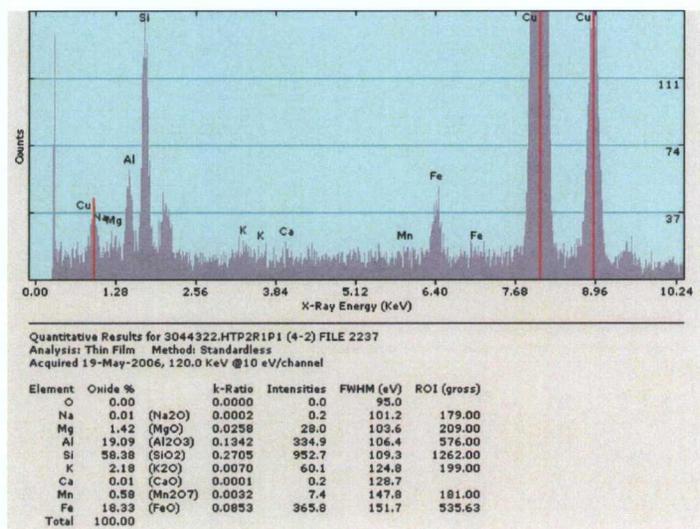
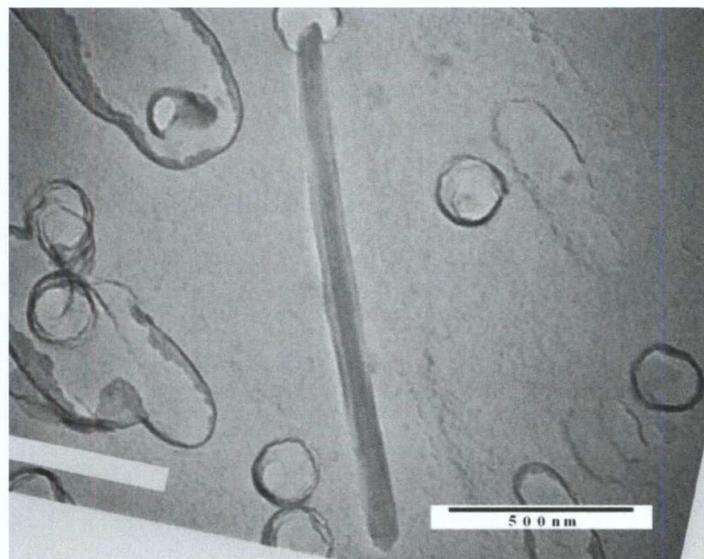
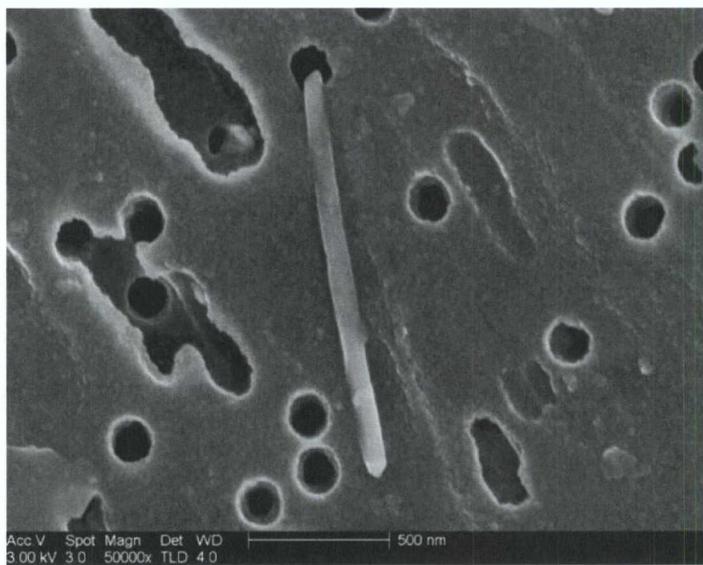


L = 1.6 W = .2 AR = 8:1

Mineral category: Serpentine

Chrysotile

RJLG # 3044322 Field 4, Fiber 1
 CPS-S101-100804-FG2 -- Soil

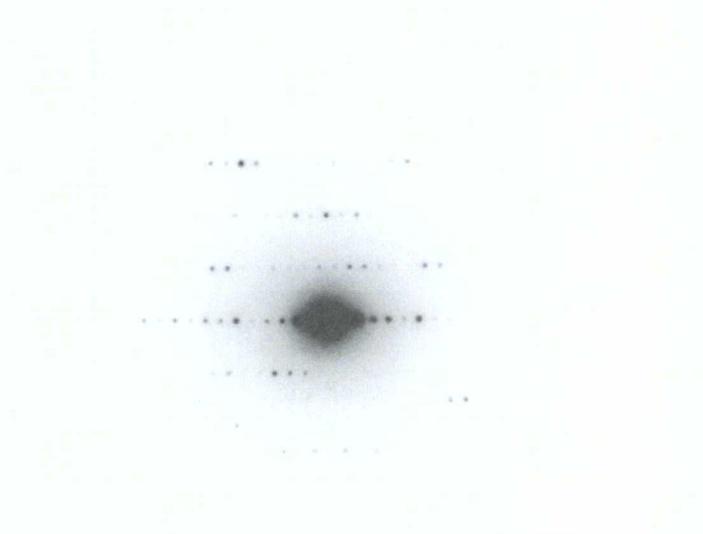
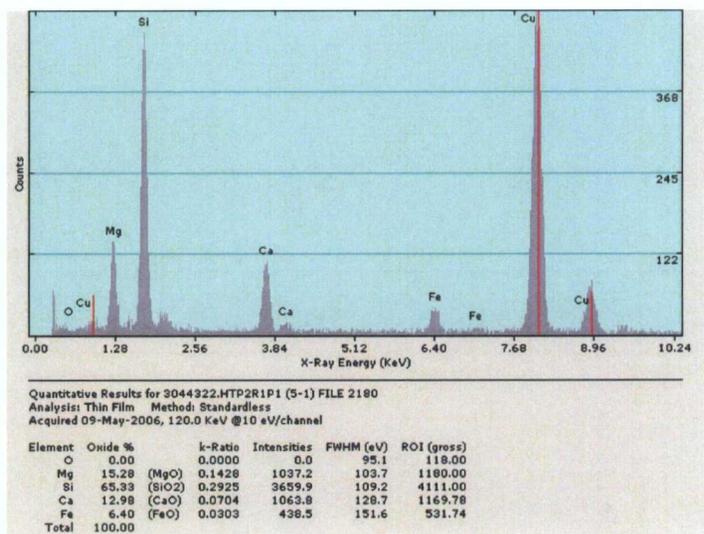
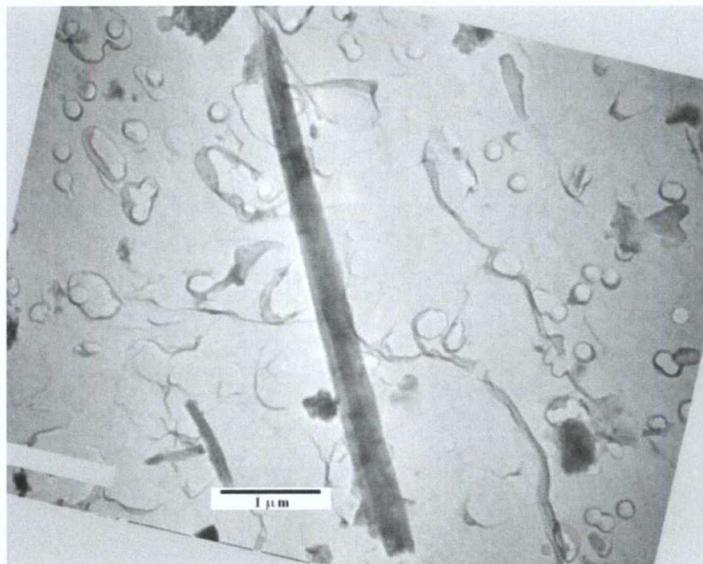
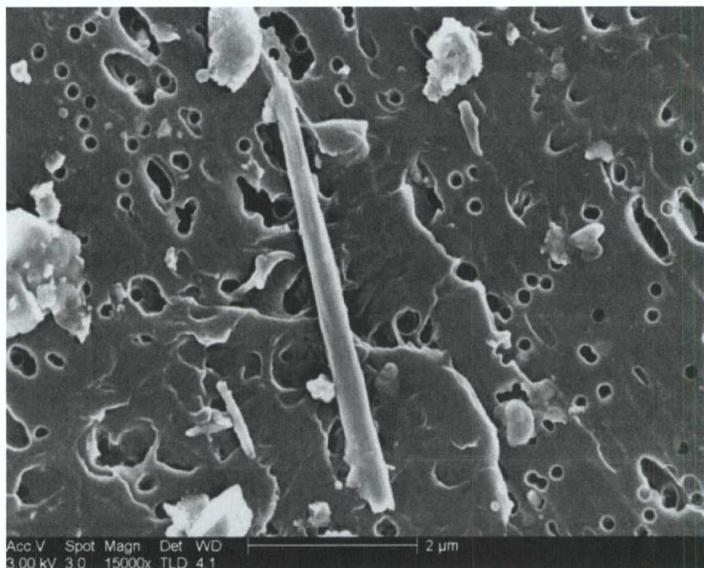


L = 1.25 W = .05 AR = 25:1

No SAED pattern acquired

Mineral category: Unknown

RJLG # 3044322 Field 4, Fiber 2
CPS-S101-100804-FG2 -- Soil

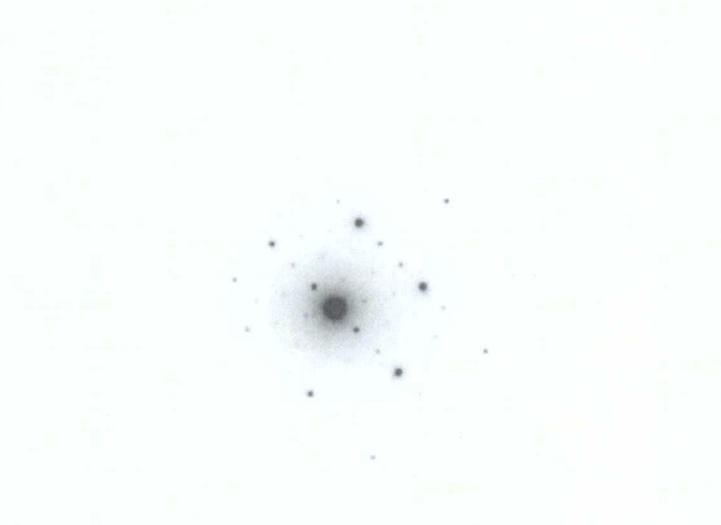
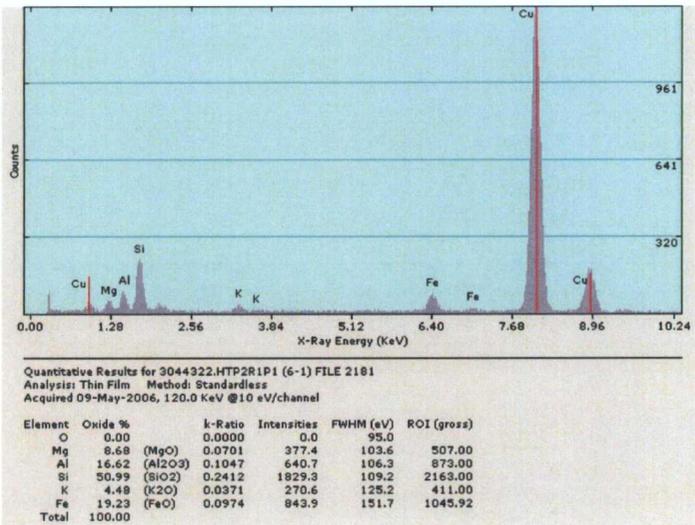
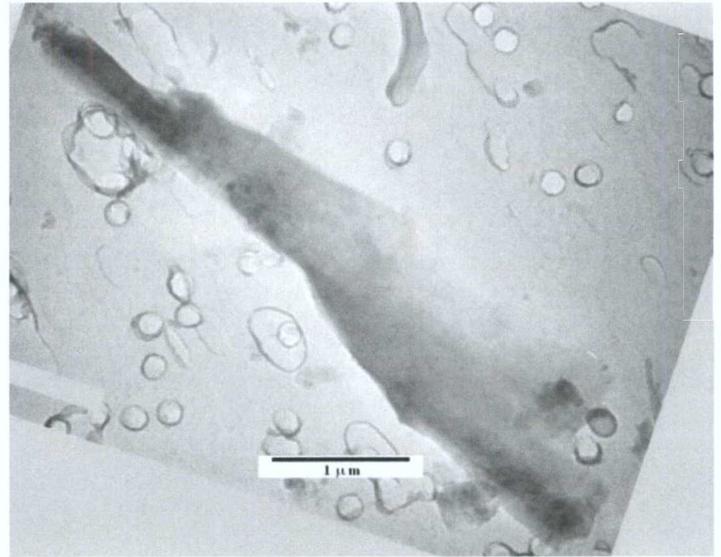


L = 4.8 W = .25 AR = 19:1

Mineral category: Amphibole

Zone	201	D1	8.97
Phi	82.3	D2	2.64

RJLG # 3044322 Field 5, Fiber 1
 CPS-S101-100804-FG2 -- Soil

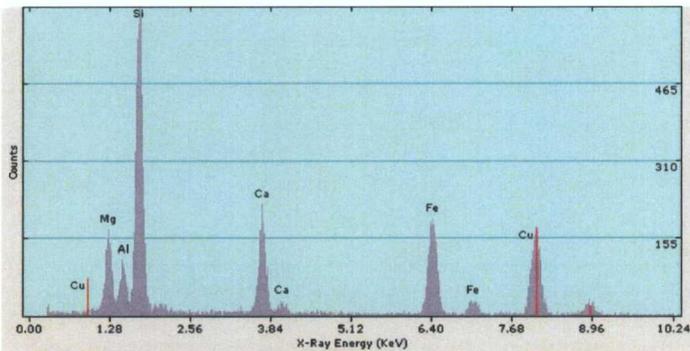
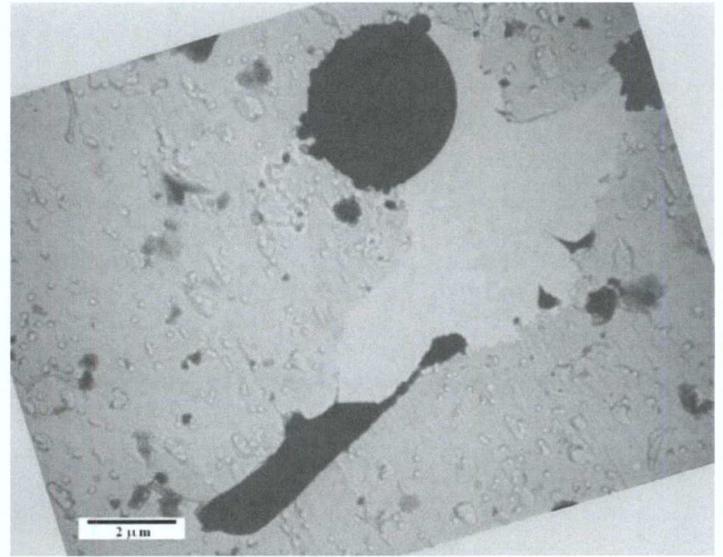


L = 4.9 W = .75 AR = 7:1

Mineral category: Amphibole

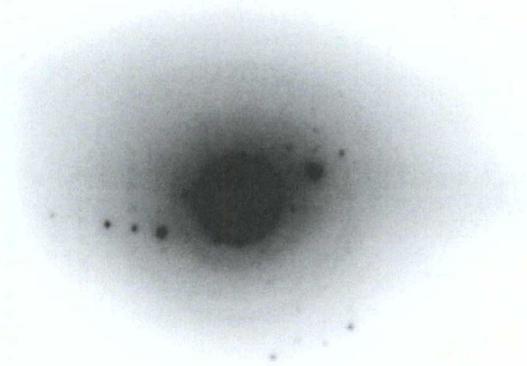
Zone	101	D1	4.65
Phi	60.6	D2	4.63

RJLG # 3044322 Field 6, Fiber 1
 CPS-S101-100804-FG2 -- Soil



Quantitative Results for 3044322.MTP2R1P1 (7-1) FILE 2182
 Analysis: Thin Film Method: Standardless
 Acquired 09-May-2006, 120.0 KeV @10 eV/channel

Element	Oxide %	k-Ratio	Intensities	FWHM (eV)	ROI (gross)
O	0.00	0.0000	0.0	95.0	
Mg	10.31 (MgO)	0.1005	1266.0	103.8	1464.00
Al	6.44 (Al ₂ O ₃)	0.0324	701.5	106.4	962.00
Si	51.68 (SiO ₂)	0.2513	5236.6	109.3	5802.00
Ca	11.60 (CaO)	0.0760	1718.7	128.8	1934.86
Fe	19.97 (FeO)	0.0997	2475.4	151.7	2473.11
Total	100.00				



Length and width not recorded - structure damaged

Mineral category: Pyroxene

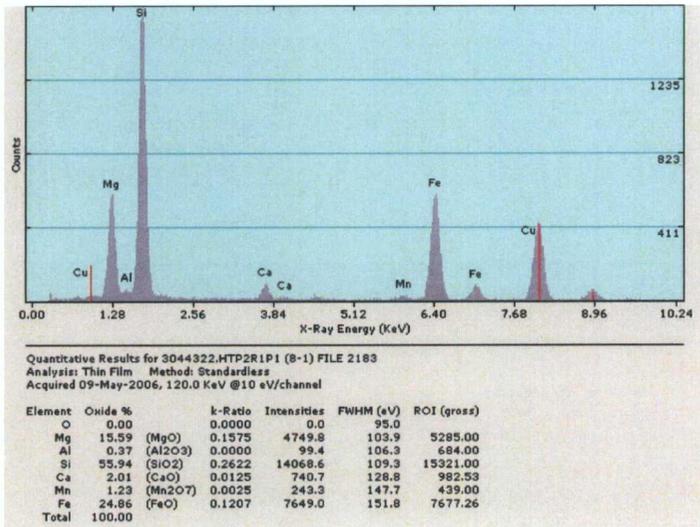
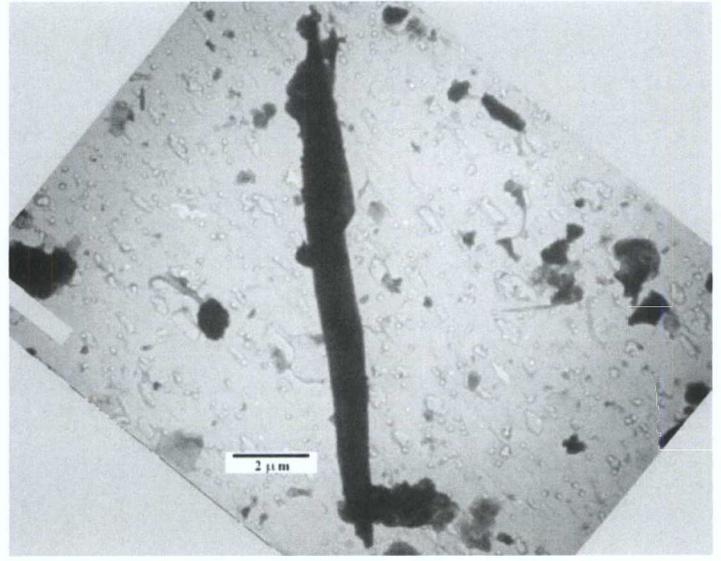
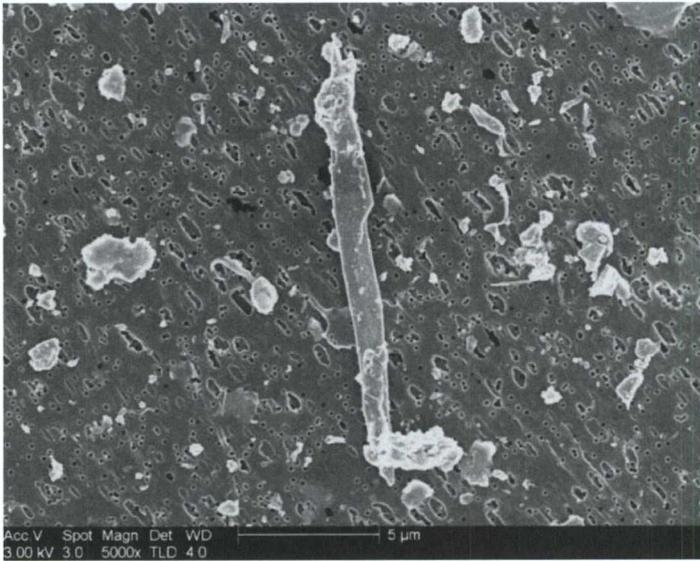
Zone 1-10

D1 6.6

Phi 77.4

D2 5.07

RJLG # 3044322 Field 7, Fiber 1
 CPS-S101-100804-FG2 -- Soil

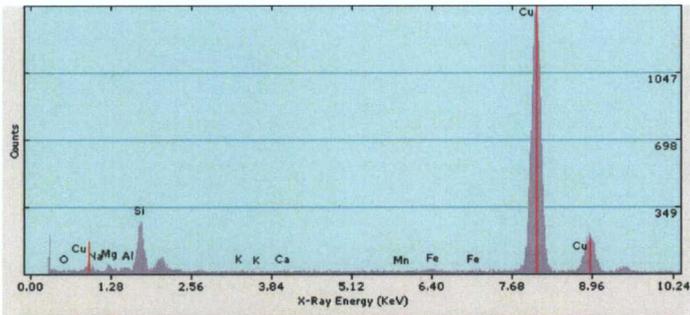
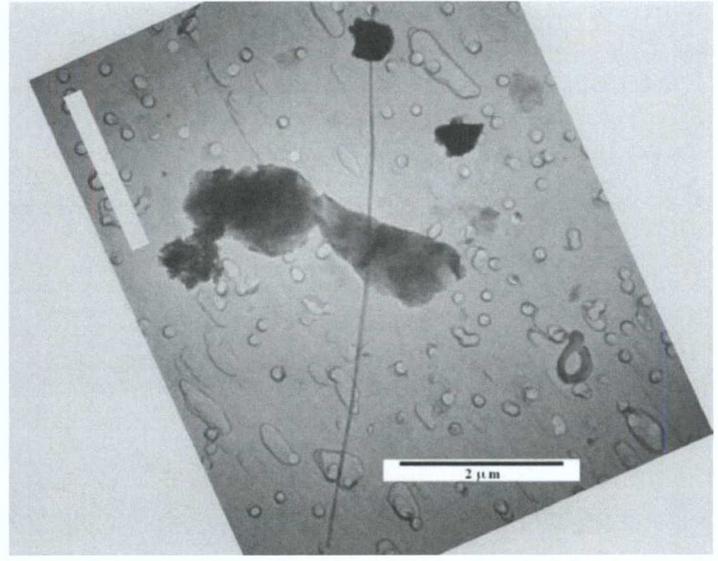


L = 14 W = 1.2 AR = 12:1

Mineral category: Clay

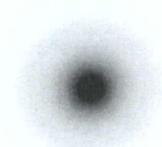
Zone	130	D1	5.38
Phi	89.8	D2	4.4

RJLG # 3044322 Field 8, Fiber 1
CPS-S101-100804-FG2 -- Soil



Quantitative Results for 3044322.HTP2R1P1 (9-1) FILE 2238
 Analysis: Thin Film Method: Standardless
 Acquired 19-May-2006, 120.0 KeV @10 eV/channel

Element	Oxide %	k-Ratio	Intensities	FWHM (eV)	ROI (gross)
O	0.00	0.0000	0.0	95.0	217.00
Na	0.45 (Na ₂ O)	0.0001	14.3	101.2	291.00
Mg	4.71 (MgO)	0.0692	132.3	103.8	443.00
Al	1.83 (Al ₂ O ₃)	0.0175	45.5	106.5	
Si	87.65 (SiO ₂)	0.9856	2029.9	109.3	2516.00
K	0.53 (K ₂ O)	0.0055	20.8	125.7	215.00
Ca	0.01 (CaO)	0.0000	0.2	128.7	
Mn	0.44 (Mn ₂ O ₇)	0.0000	8.1	147.7	241.00
Fe	4.37 (FeO)	0.0156	123.7	151.5	353.03
Total	100.00				

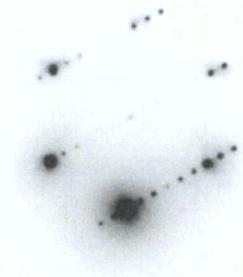
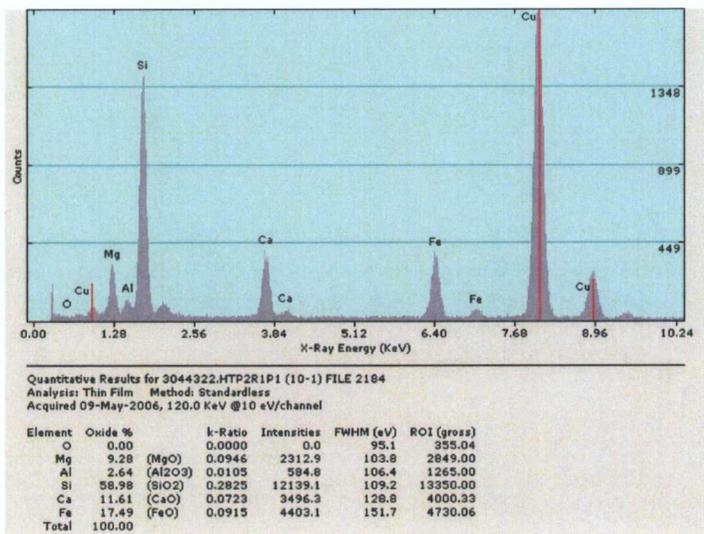
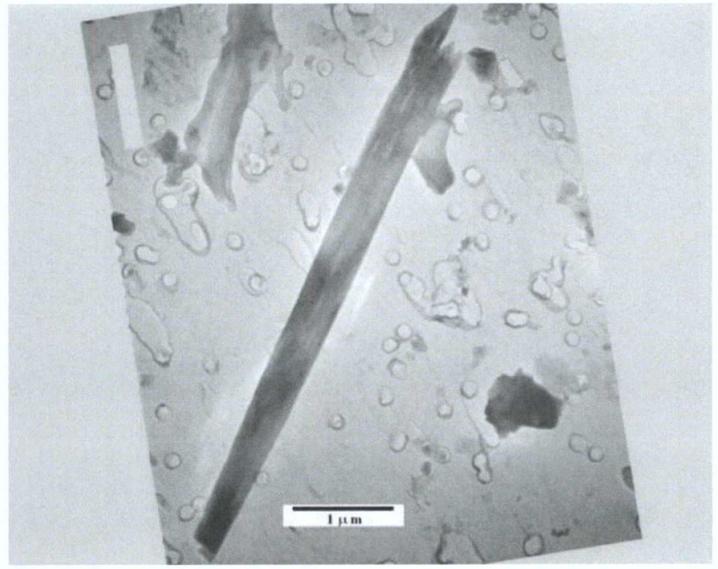


Chrysotile

L = 6.2 W = .05 AR = 124:1

Mineral category: Serpentine

RJLG # 3044322 Field 9, Fiber 1
 CPS-S101-100804-FG2 -- Soil



L = 6.1 W = .5 AR = 12:1

Mineral category: Amphibole

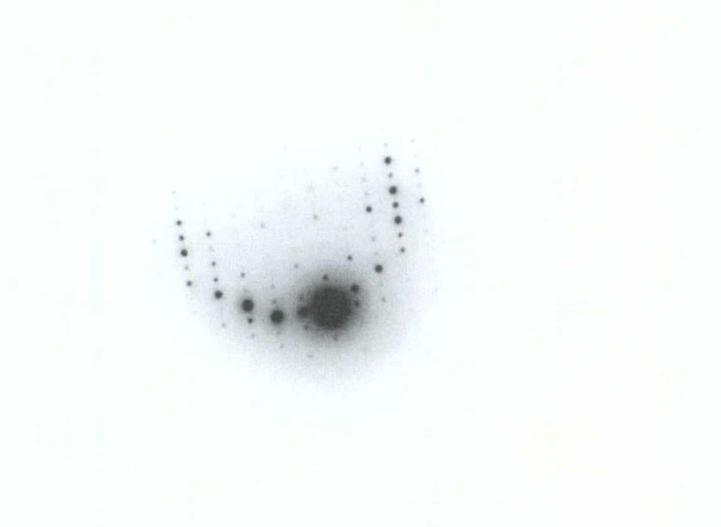
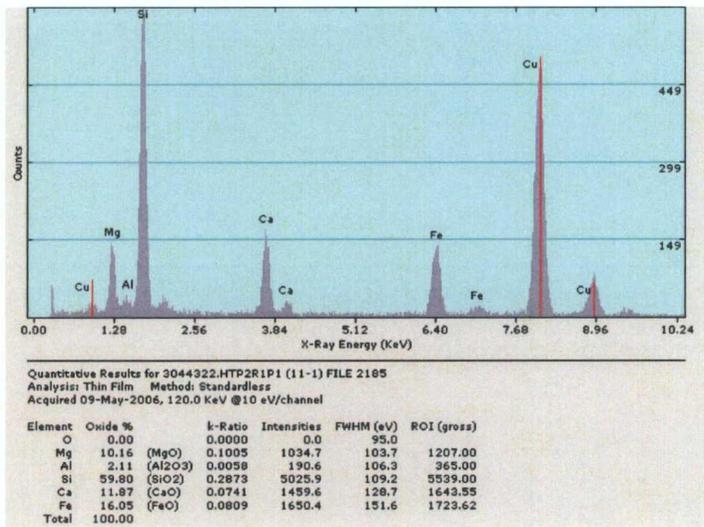
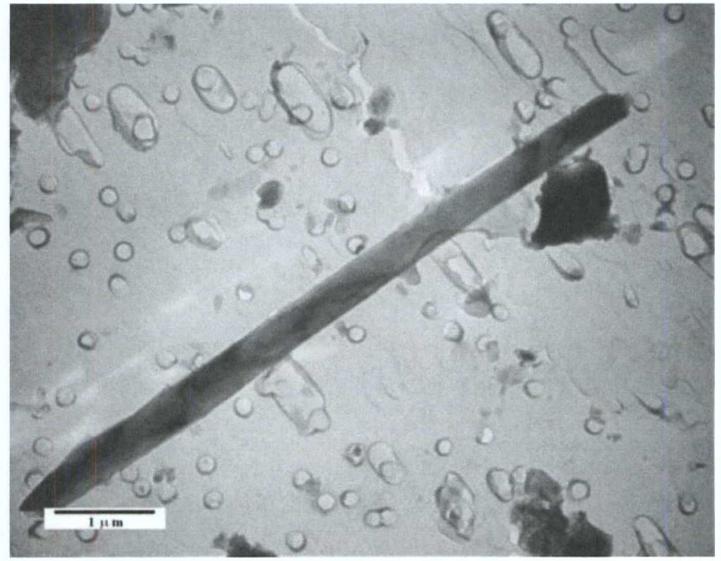
Zone 10-4

D1 9.13

Phi 89.2

D2 1.78

RJLG # 3044322 Field 10, Fiber 1
 CPS-S101-100804-FG2 -- Soil

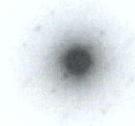
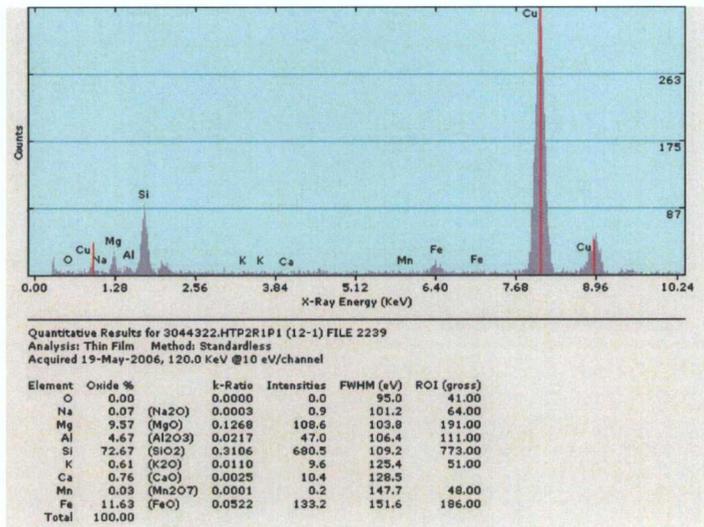
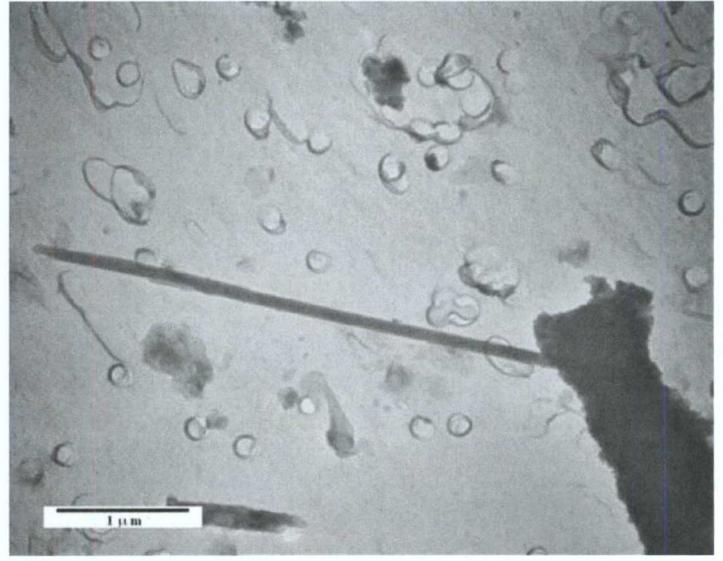
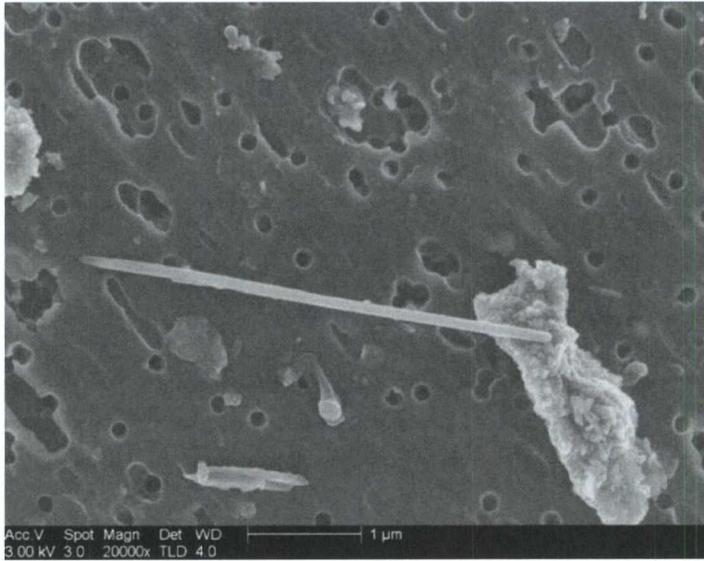


L = 6.25 W = .3 AR = 21:1

Mineral category: Amphibole

Zone 100 **D1** 9.12
Phi 89.7 **D2** 5.16

RJLG # 3044322 Field 11, Fiber 1
 CPS-S101-100804-FG2 -- Soil

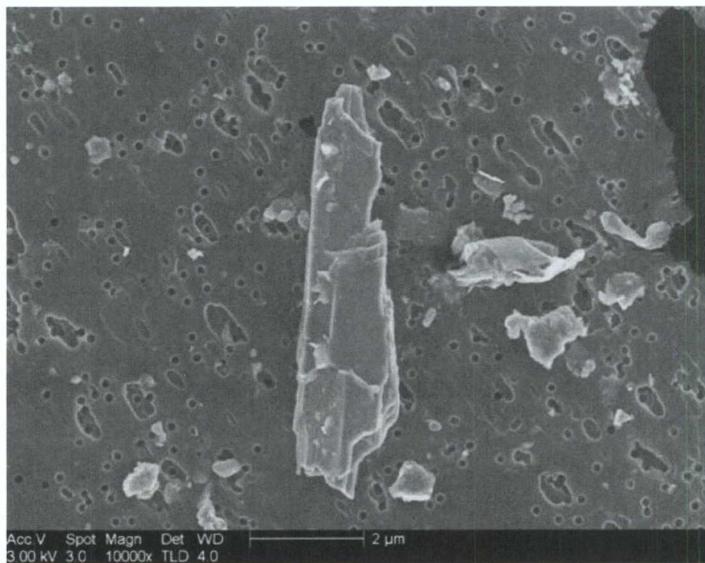


Chrysotile

L = 3.5 W = .05 AR = 70:1

Mineral category: Serpentine

RJLG # 3044322 Field 12, Fiber 1
CPS-S101-100804-FG2 -- Soil

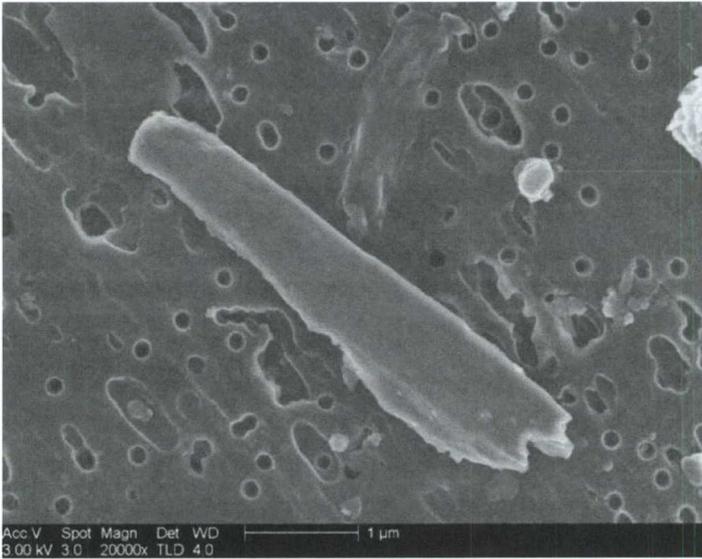


No EDS image acquired

No SAED pattern acquired

Length and width not recorded - structure damaged
Mineral category: Unknown

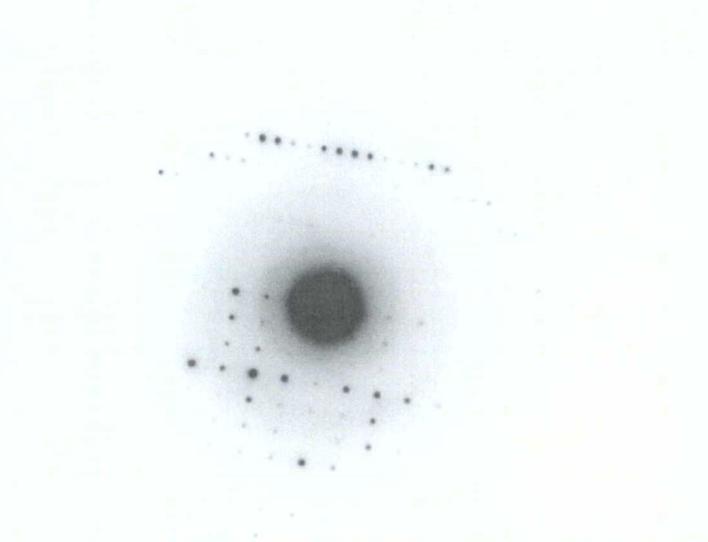
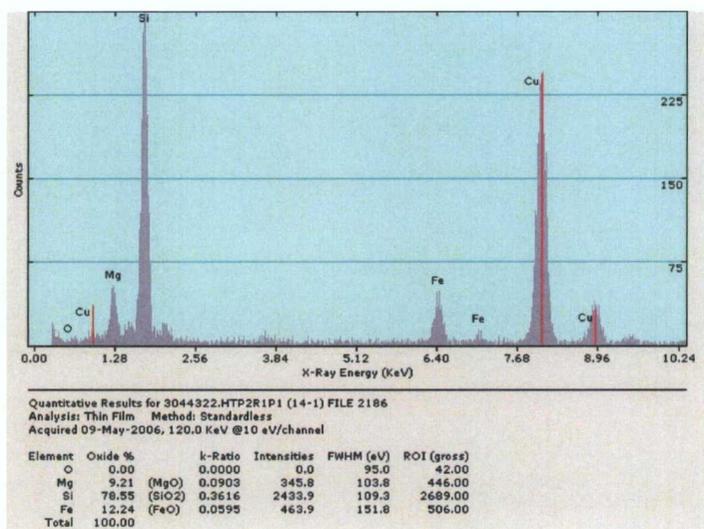
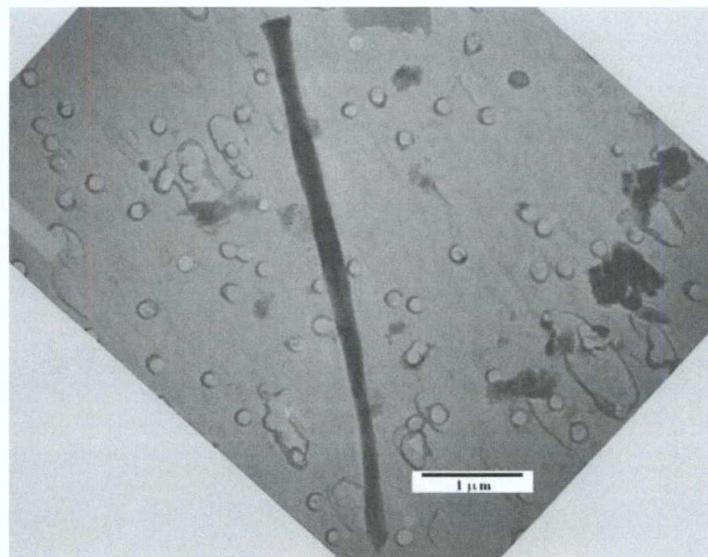
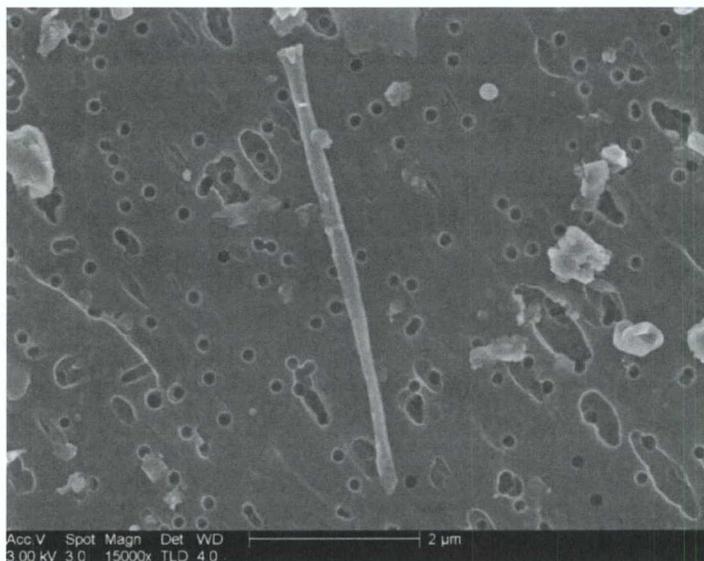
RJLG # 3044322 Field 13, Fiber 1
CPS-S101-100804-FG2 -- Soil



TEM could not relocate

Mineral category: Unknown

RJLG # 3044322 Field 13, Fiber 2
CPS-S101-100804-FG2 -- Soil



L = 5 W = .2 AR = 25:1

Mineral category: Amphibole

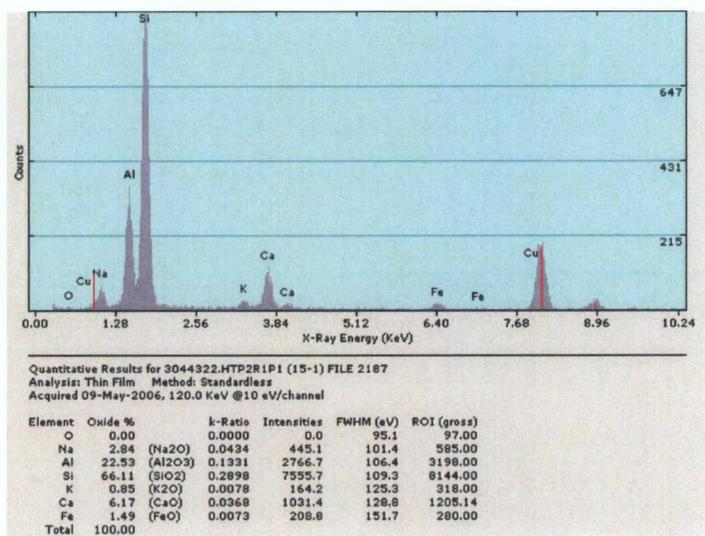
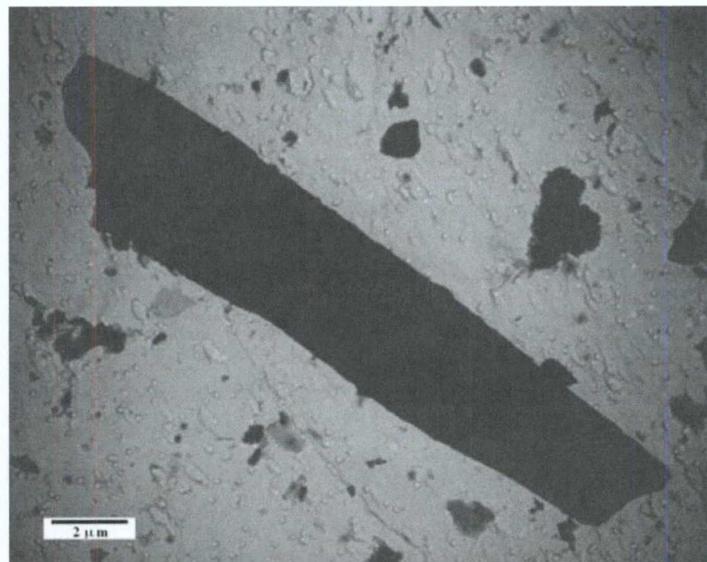
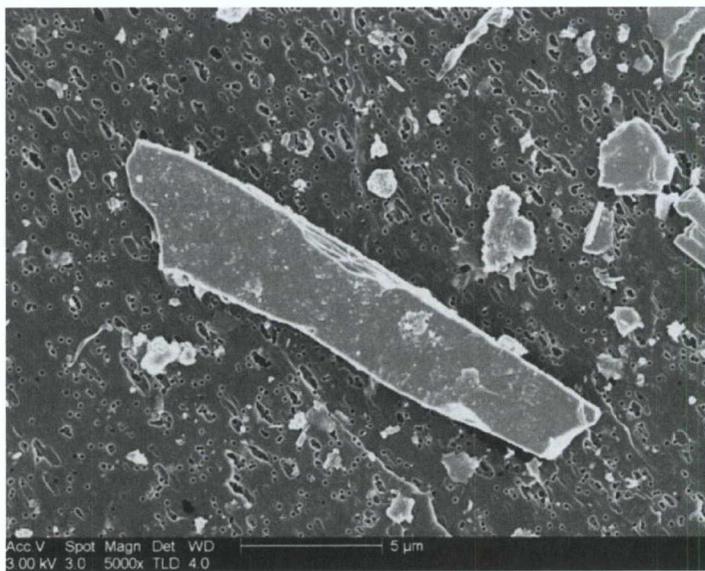
Zone 100

Phi 89.2

D1 8.82

D2 5.34

RJLG # 3044322 Field 14, Fiber 1
 CPS-S101-100804-FG2 -- Soil

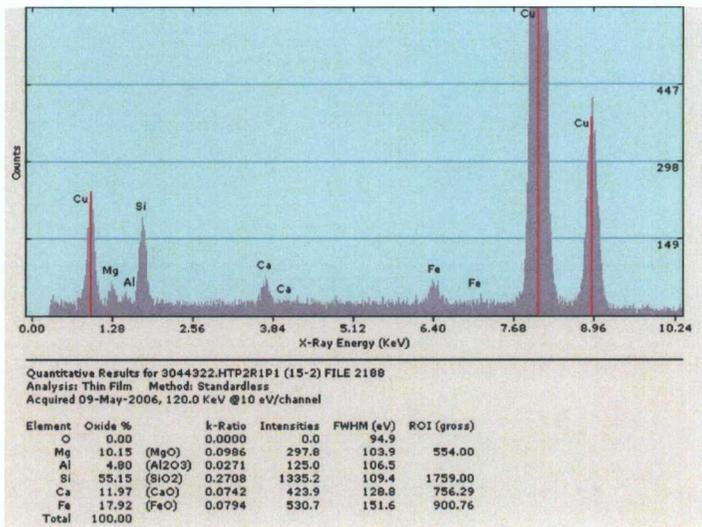
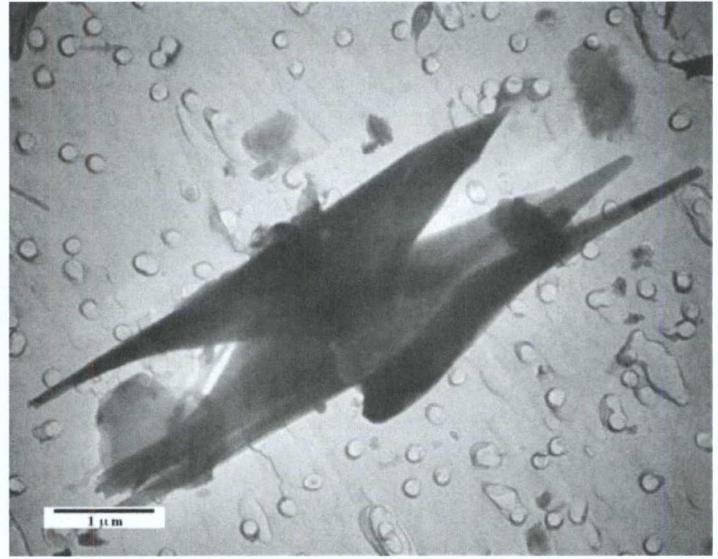
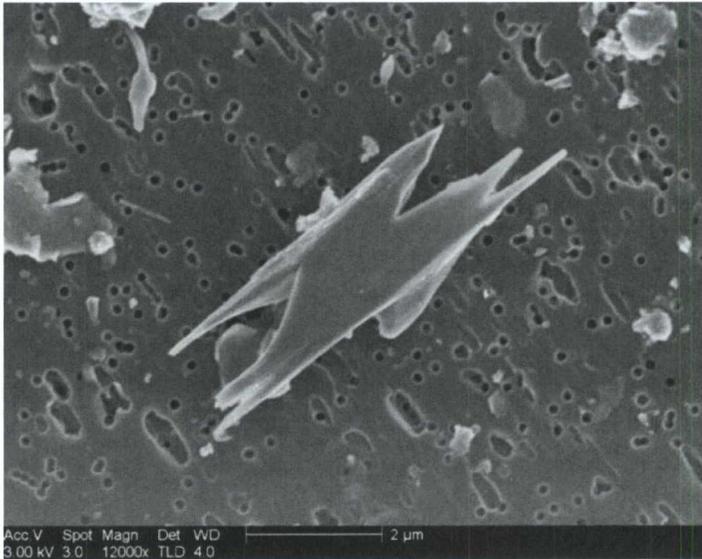


L = 18.5 W = 3.5 AR = 5:1

Mineral category: Clay/Mica

No SAED pattern acquired

RJLG # 3044322 Field 15, Fiber 1
CPS-S101-100804-FG2 -- Soil

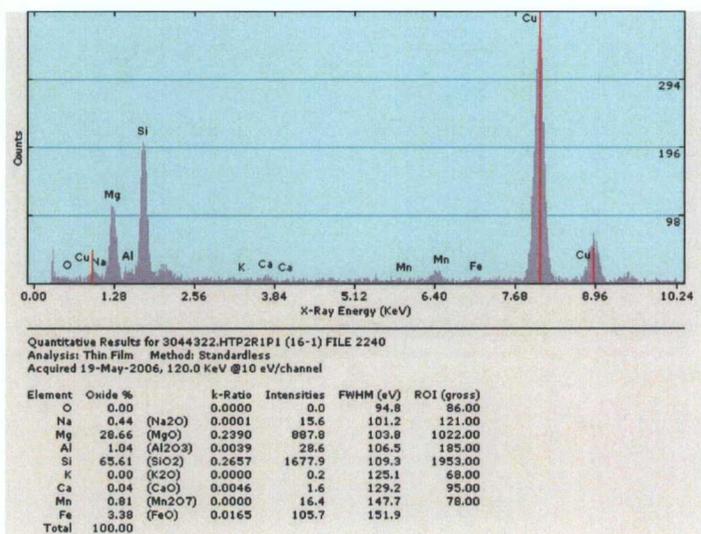
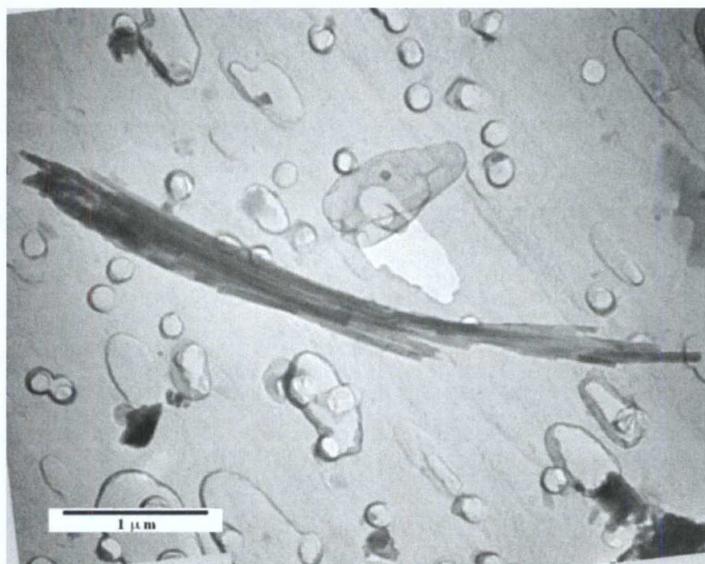


L = 6.3 W = 1.5 AR = 4:1

No SAED pattern acquired

Mineral category: Amphibole

RJLG # 3044322 Field 15, Fiber 2
 CPS-S101-100804-FG2 -- Soil

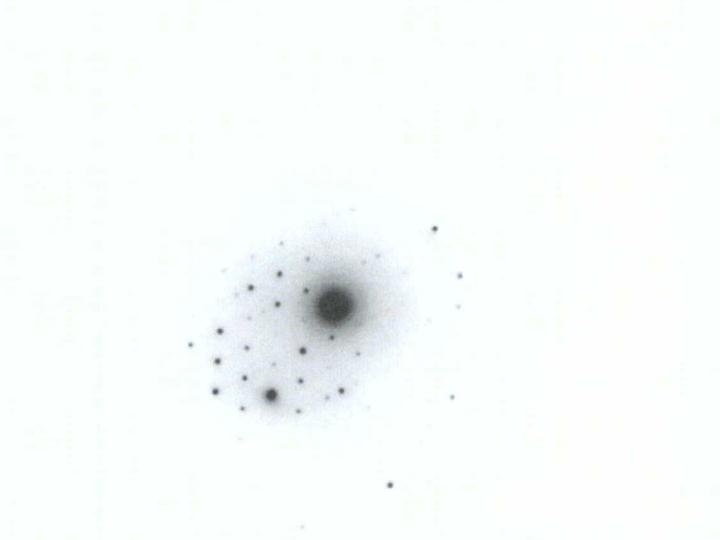
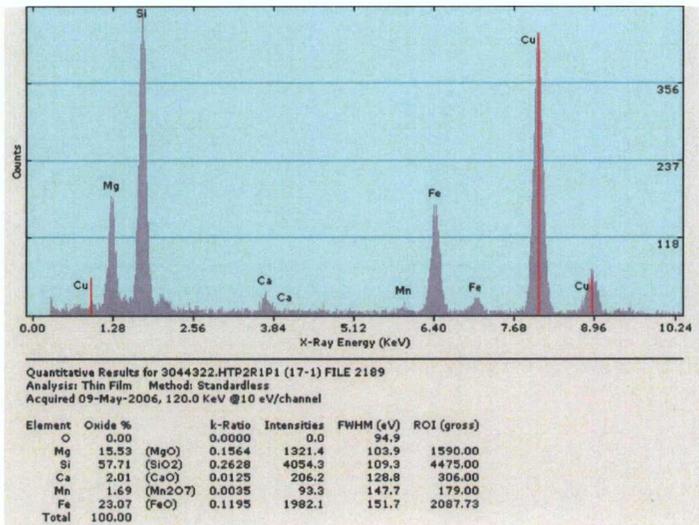
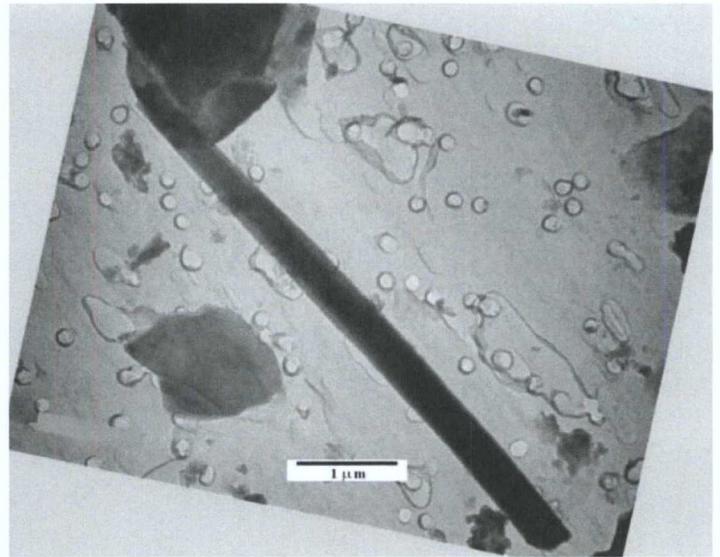
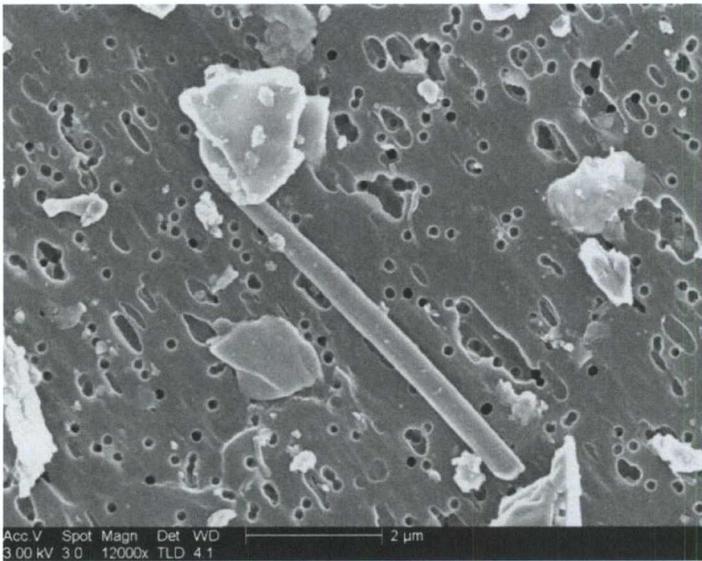


L = 4.6 W = .25 AR = 18:1

Mineral category: Serpentine

Chrysotile

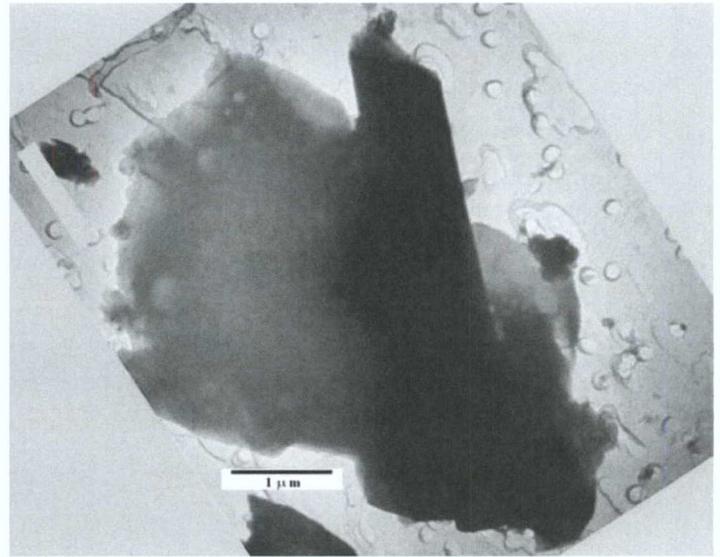
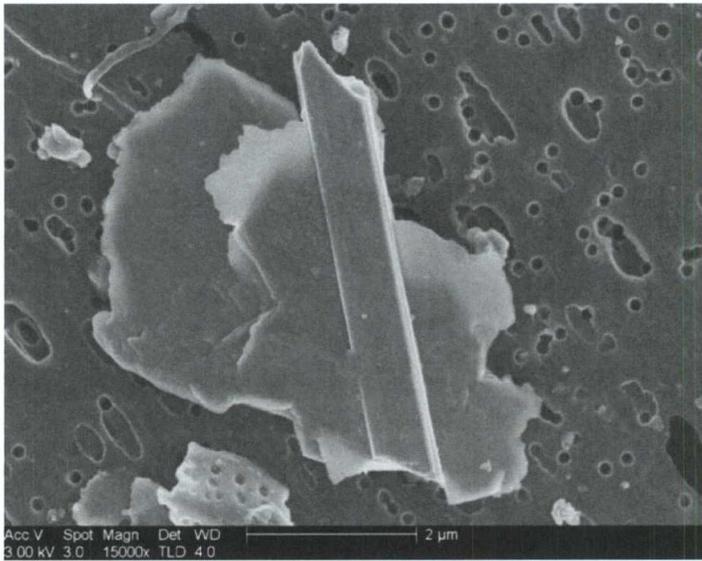
RJLG # 3044322 Field 16, Fiber 1
CPS-S101-100804-FG2 -- Soil



L = 6 W = .35 AR = 17:1
 Mineral category: Pyroxene

Zone None Found **D1** 8.65
Phi 87.6 **D2** 5.25

RJLG # 3044322 Field 17, Fiber 1
 CPS-S101-100804-FG2 -- Soil

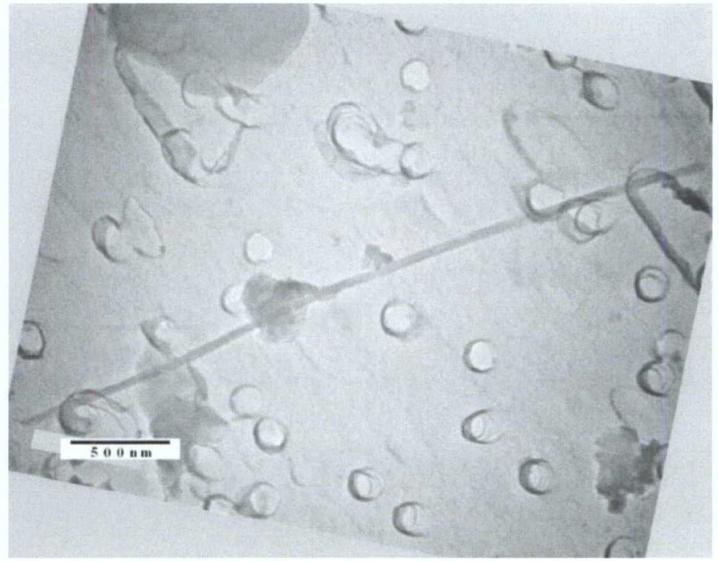
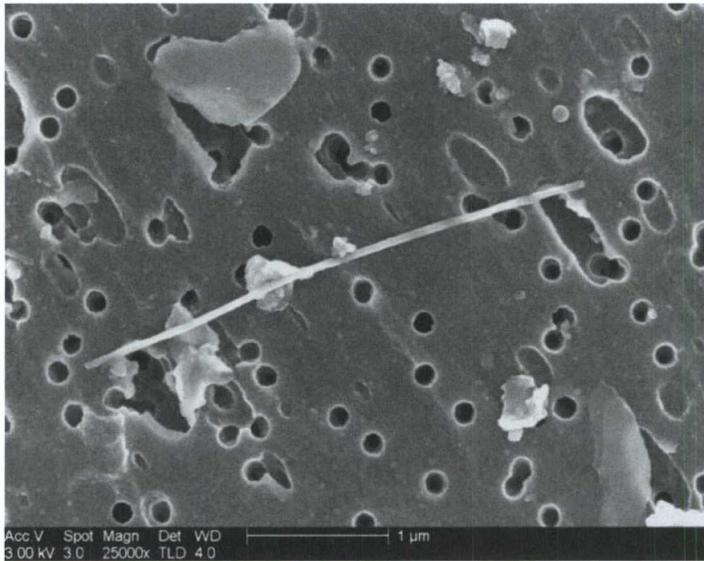


No EDS image acquired - structure damaged

L = 6.3 W = 1.5 AR = 4:1
Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 18, Fiber 1
CPS-S101-100804-FG2 -- Soil



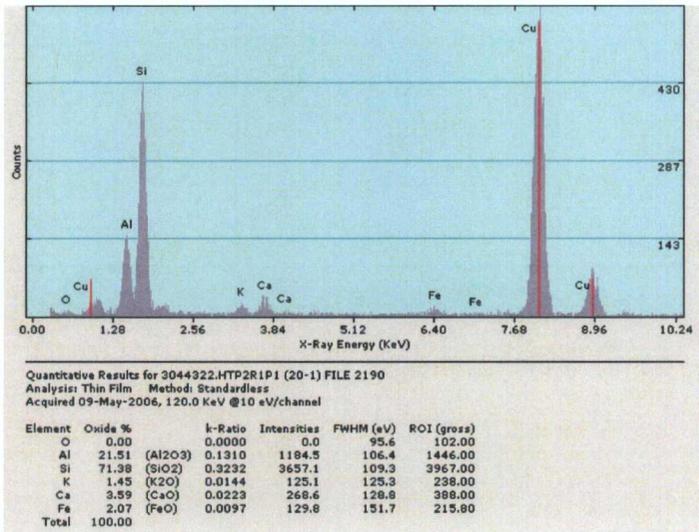
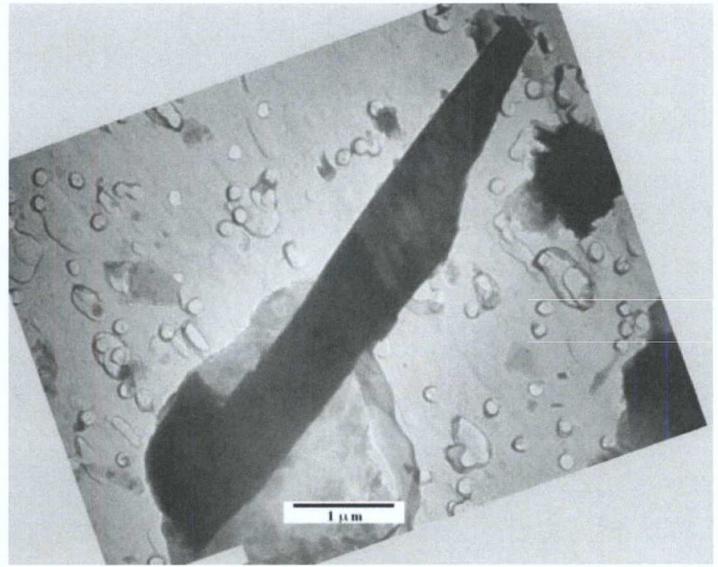
MgSi - Chrysotile

L = 3.4 W = .03 AR = 113:1

Mineral category: Serpentine

No SAED pattern acquired

RJLG # 3044322 Field 19, Fiber 1
CPS-S101-100804-FG2 -- Soil

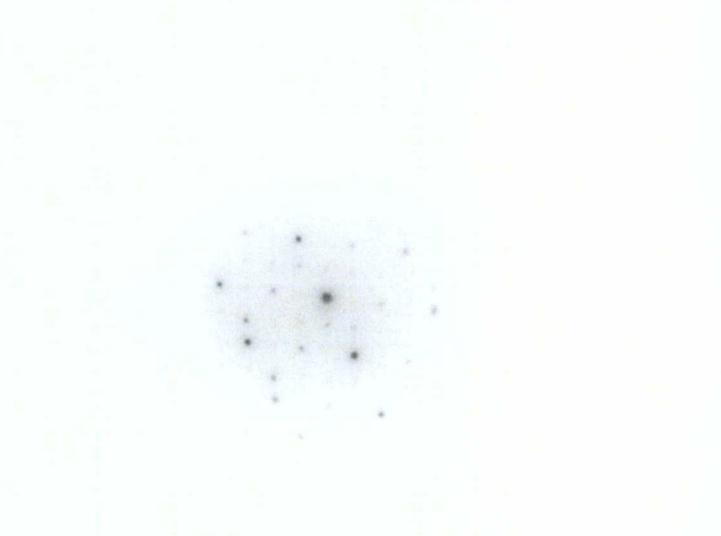
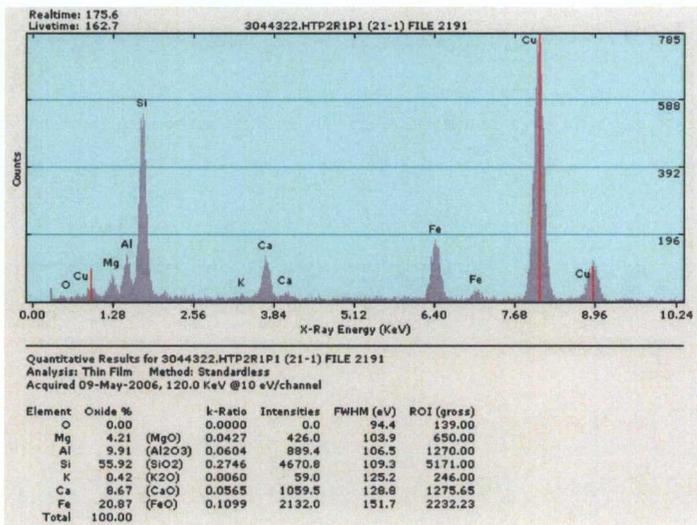
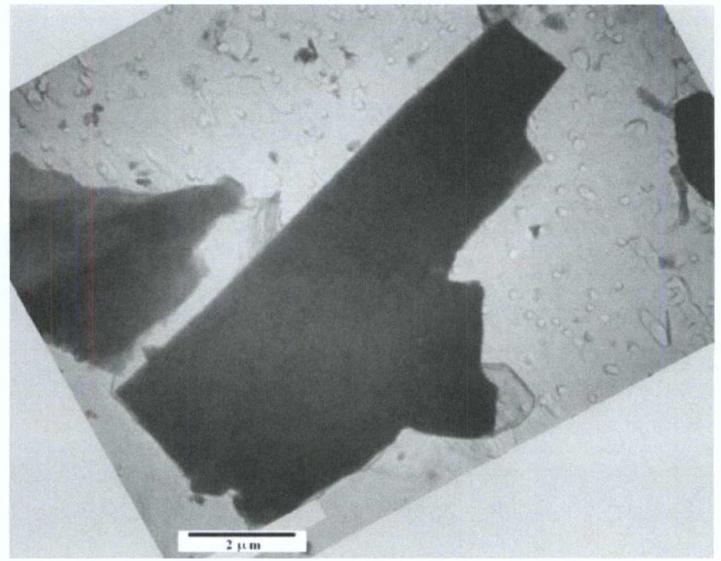
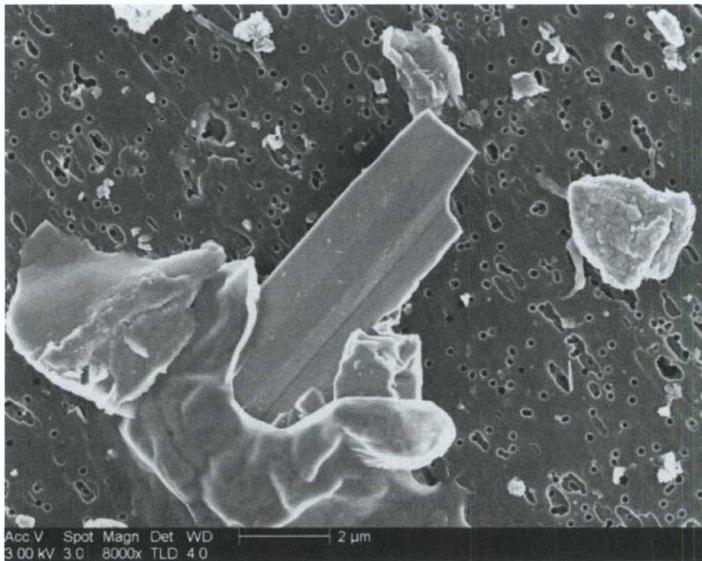


L = 6 W = .8 AR = 8:1

SAED not measured

Mineral category: Clay/Mica

RJLG # 3044322 Field 20, Fiber 1
CPS-S101-100804-FG2 -- Soil



L = 9.5 W = 2.5 AR = 4:1

Mineral category: Amphibole

Zone 3-10

D1 5.13

Phi 80.9

D2 5.1

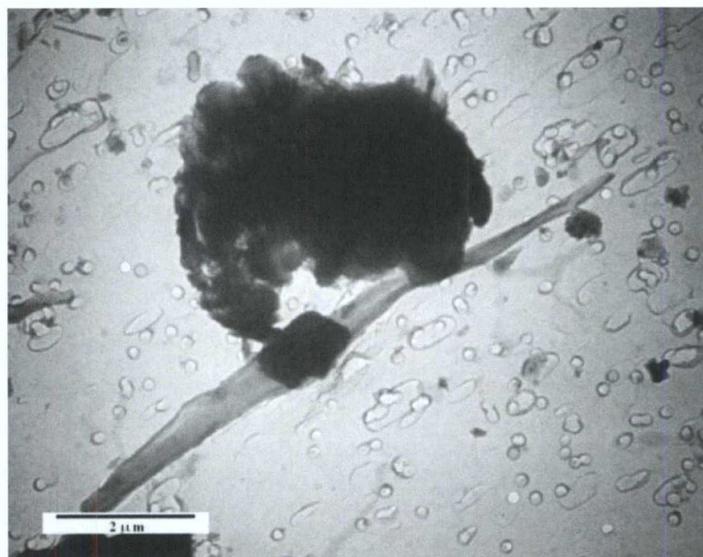
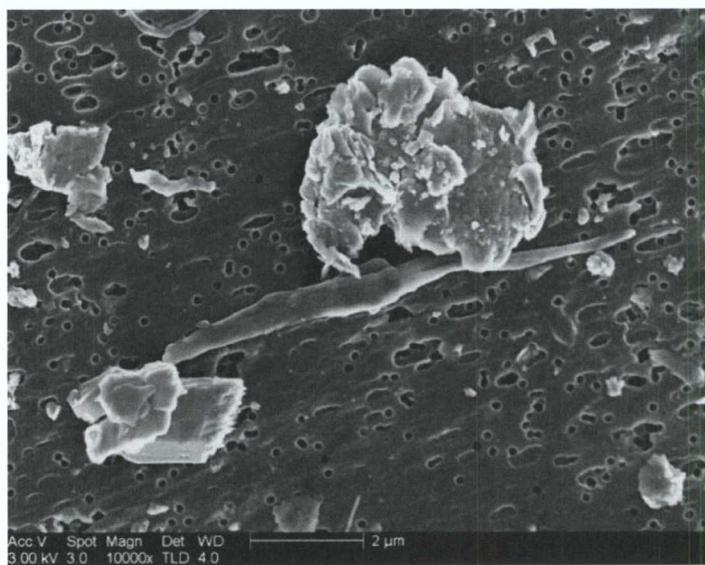
RJLG # 3044322 Field 21, Fiber 1
CPS-S101-100804-FG2 -- Soil



TEM could not relocate

Mineral category: Unknown

RJLG # 3044322 Field 22, Fiber 1
CPS-S101-100804-FG2 -- Soil



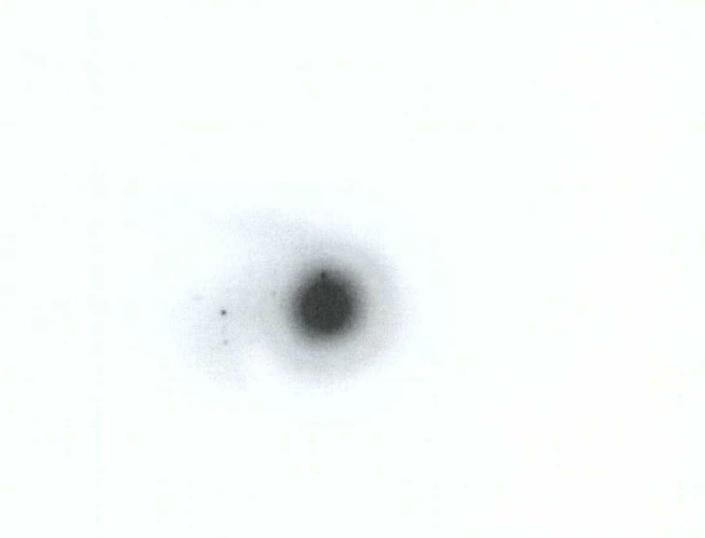
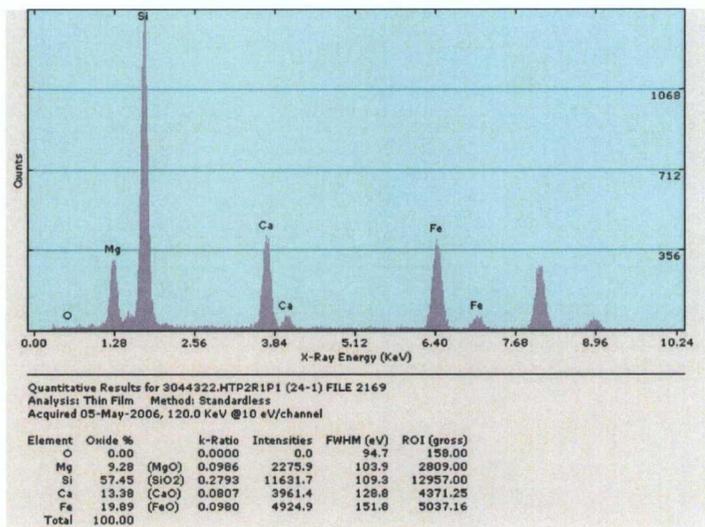
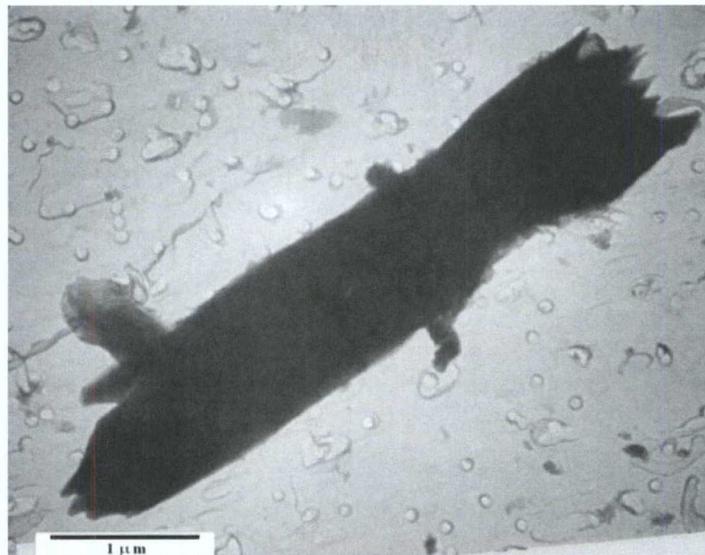
No EDS image acquired - organic

Length and width not recorded

Mineral category: Unknown

SAED not measured

RJLG # 3044322 Field 23, Fiber 1
CPS-S101-100804-FG2 -- Soil

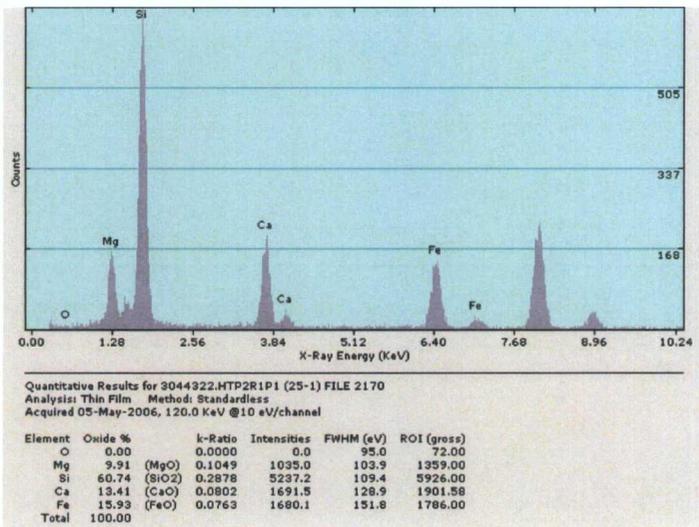
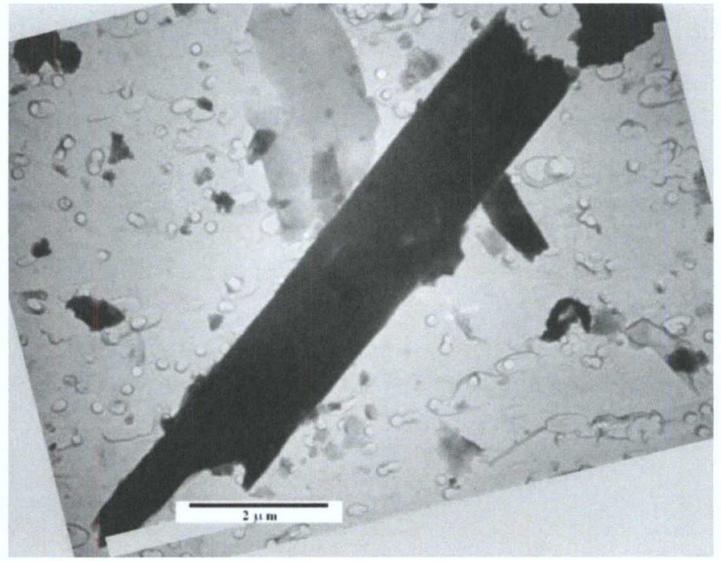
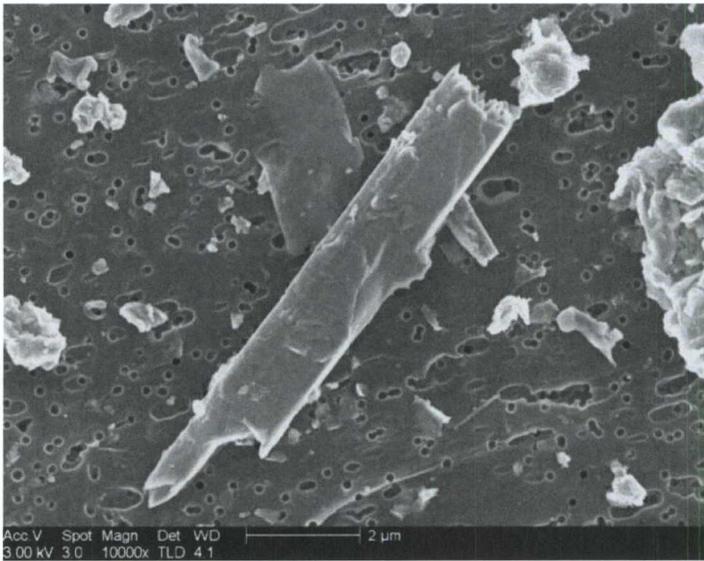


L = 8 W = 1.75 AR = 5:1

SAED not measured

Mineral category: Amphibole

RJLG # 3044322 Field 24, Fiber 1
 CPS-S101-100804-FG2 -- Soil

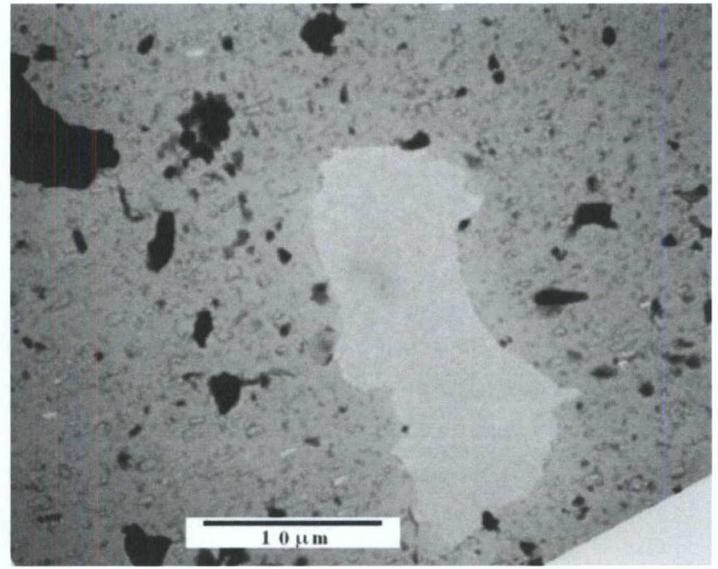
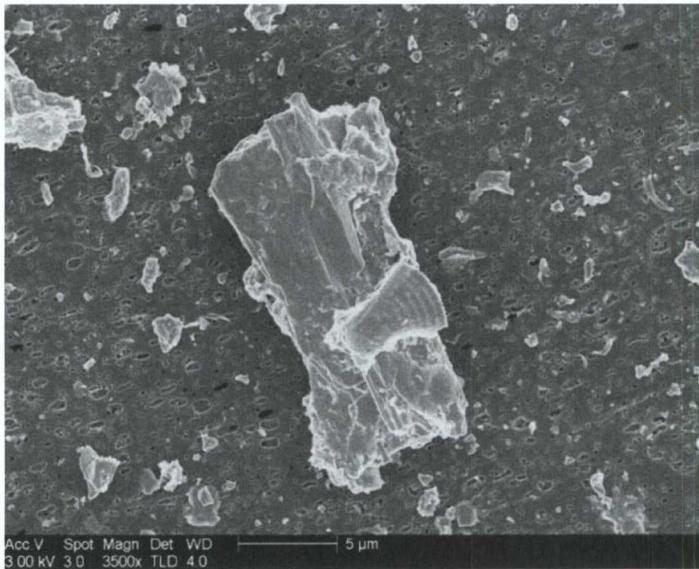


L = 8.4 W = 1.3 AR = 6:1

Mineral category: Amphibole

Zone	100	D1	9.2
Phi	88.4	D2	5.19

RJLG # 3044322 Field 25, Fiber 1
 CPS-S101-100804-FG2 -- Soil



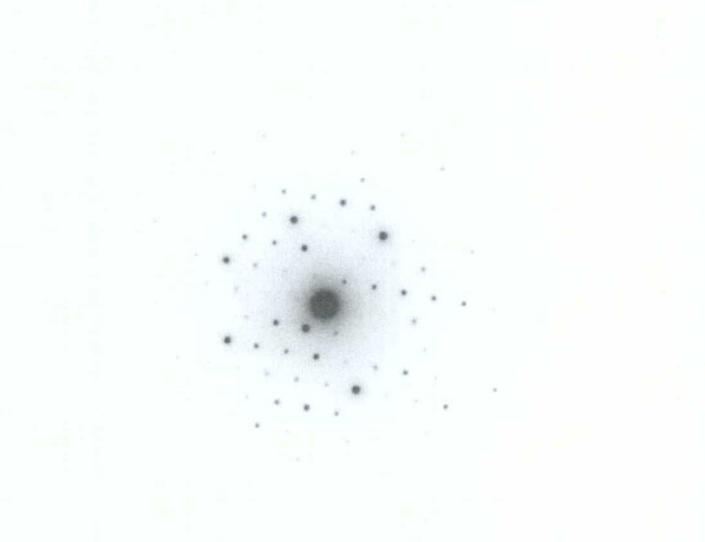
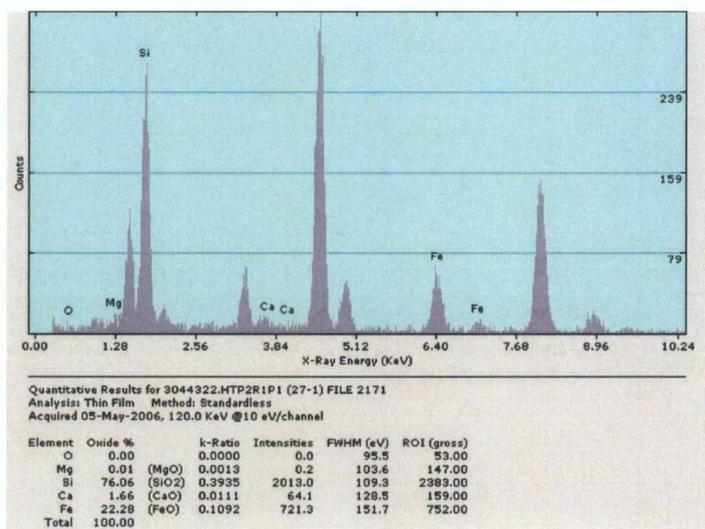
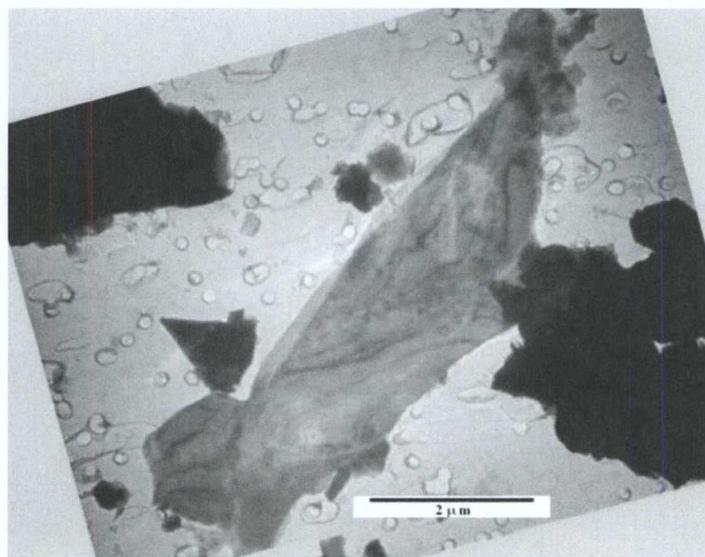
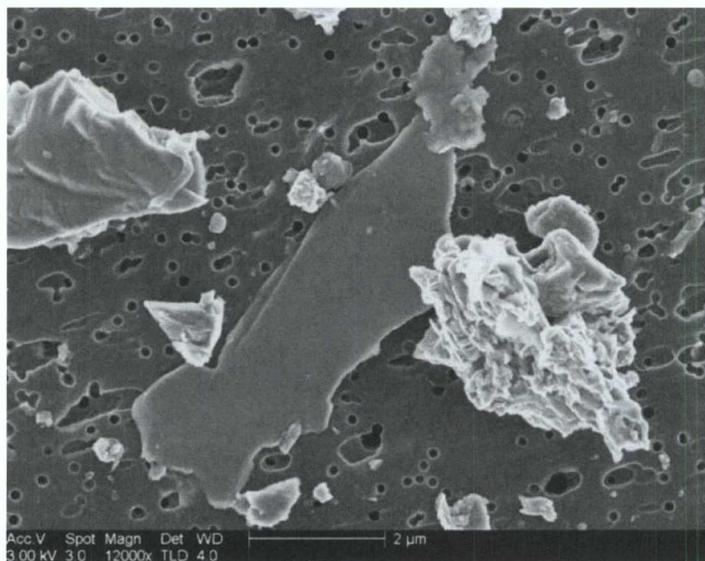
No EDS image acquired

No SAED pattern acquired

Length and width not recorded - structure volatilized

Mineral category: Unknown

RJLG # 3044322 Field 26, Fiber 1
CPS-S101-100804-FG2 -- Soil

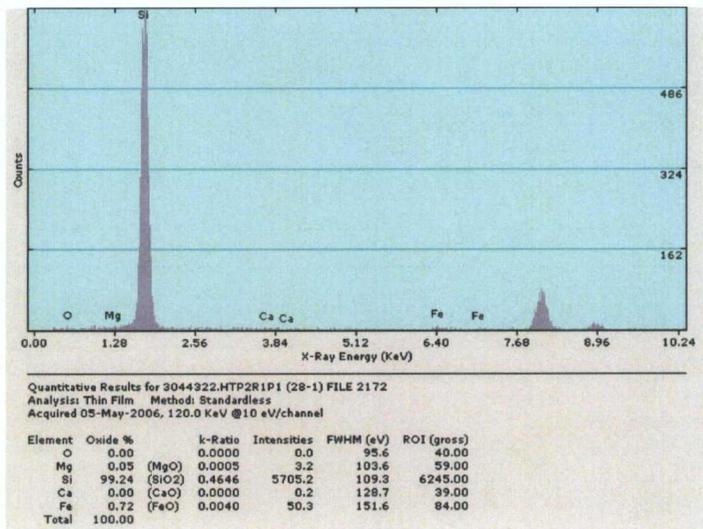
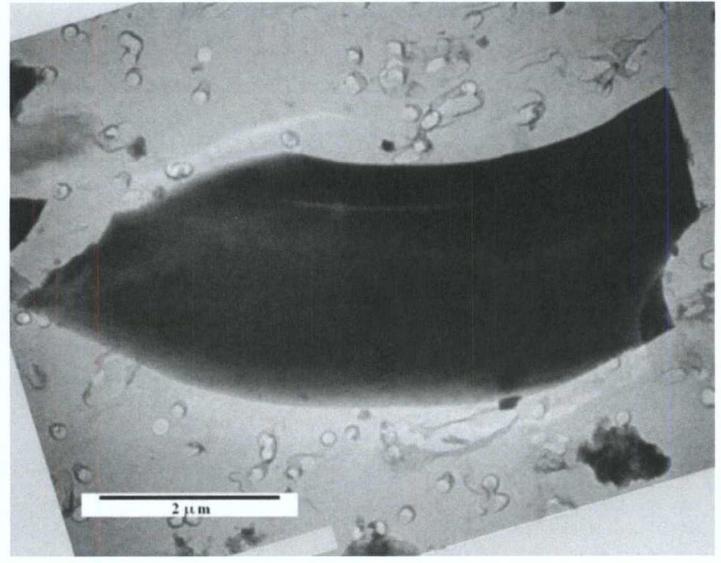
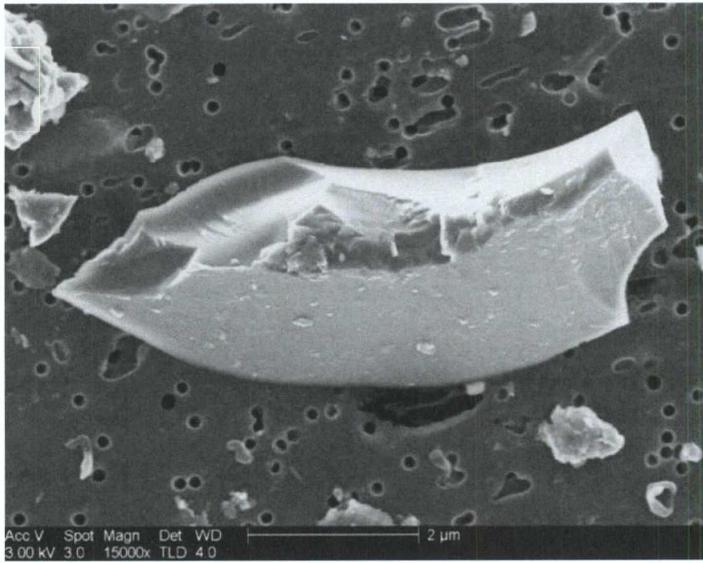


L = 8.4 W = 1.3 AR = 6:1

Mineral category: Sheet Silicate

Zone 101 D1 4.63
 Phi 60.2 D2 4.61

RJLG # 3044322 Field 27, Fiber 1
 CPS-S101-100804-FG2 -- Soil

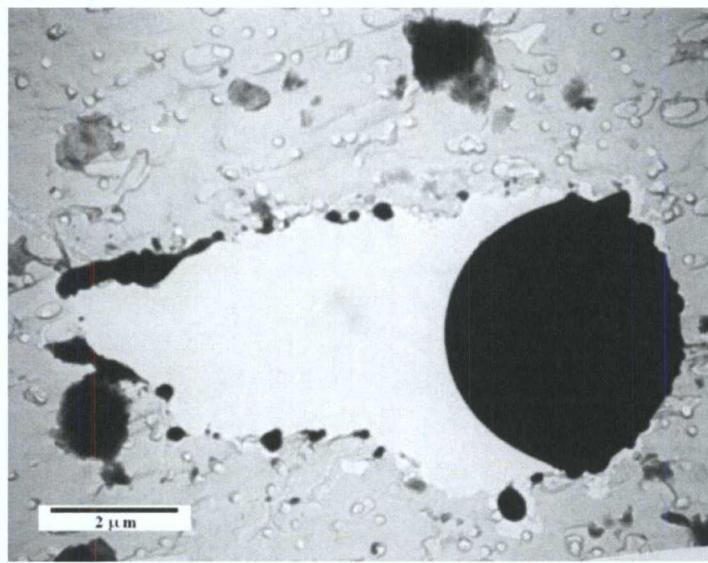
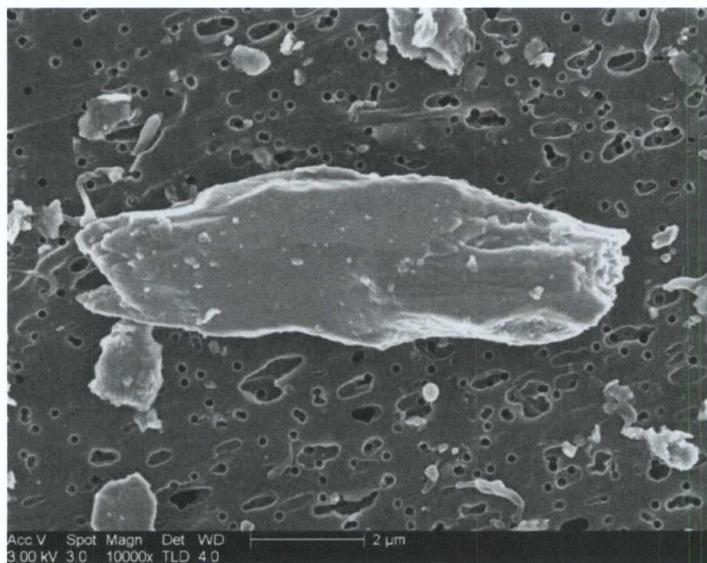


L = 7 W = 2.5 AR = 3:1

Mineral category: Quartz

No SAED pattern acquired

RJLG # 3044322 Field 28, Fiber 1
CPS-S101-100804-FG2 -- Soil



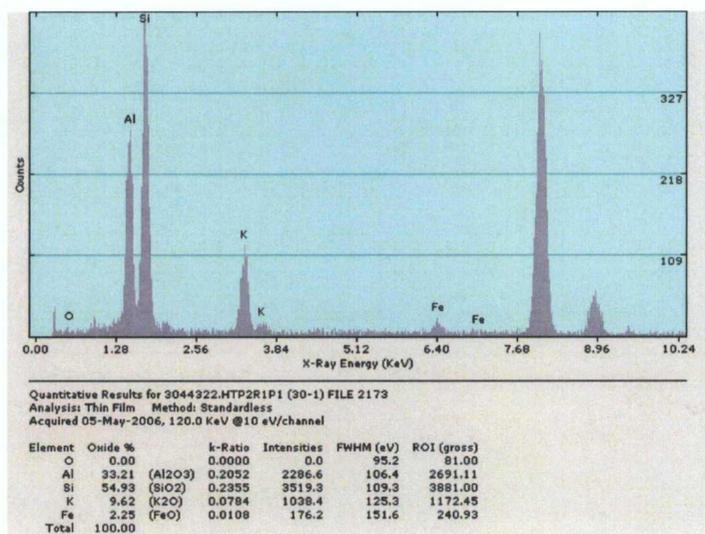
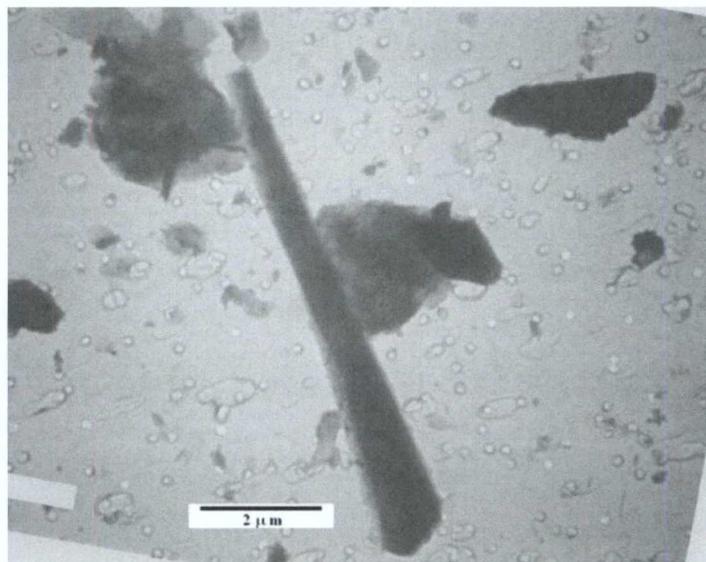
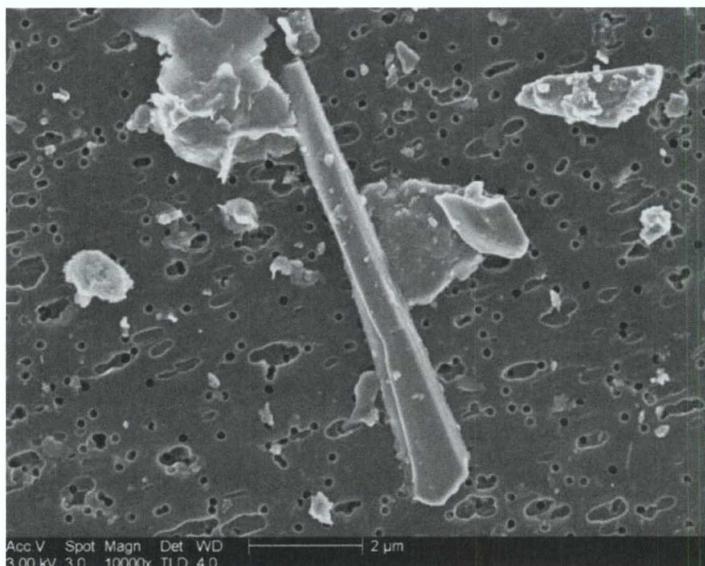
No EDS image acquired

Length and width not recorded - structure damaged

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 29, Fiber 1
CPS-S101-100804-FG2 -- Soil

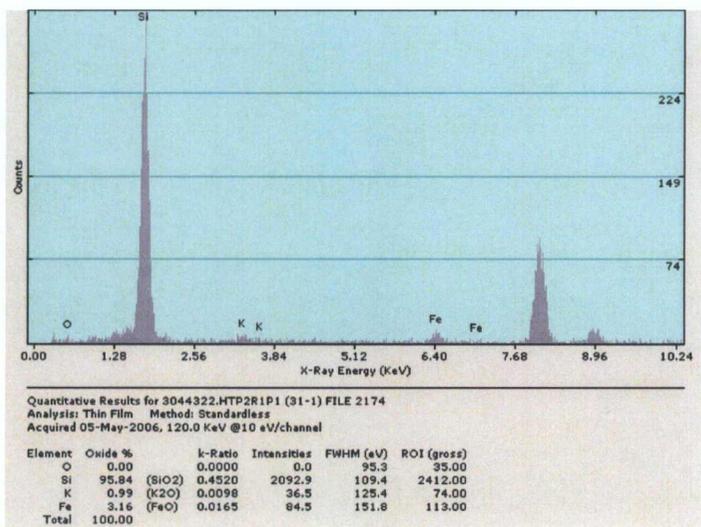
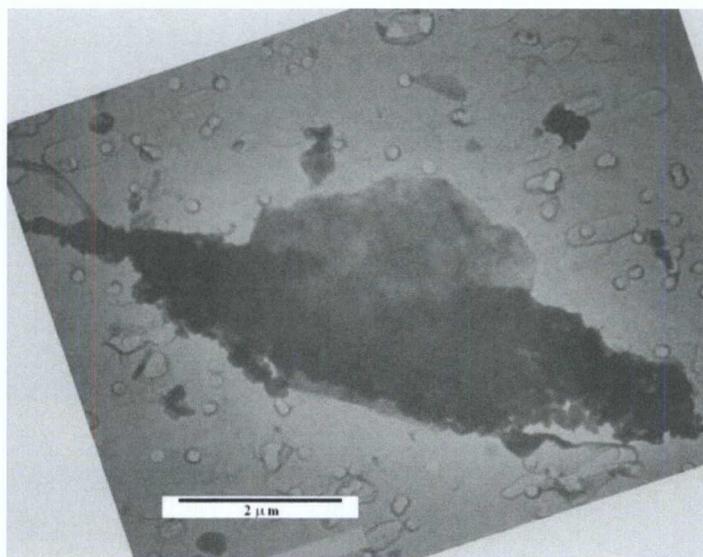
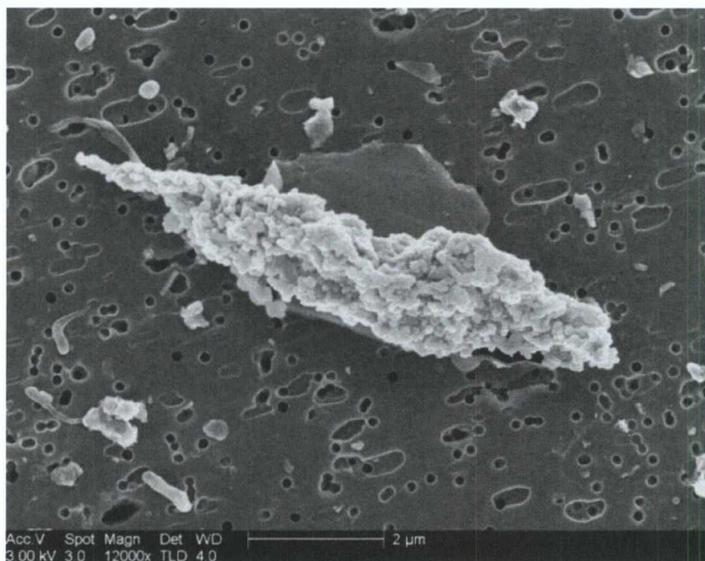


L = 7.2 W = .6 AR = 12:1

Mineral category: Mica

Zone	101	D1	4.58
Phi	59.7	D2	4.57

RJLG # 3044322 Field 30, Fiber 1
CPS-S101-100804-FG2 -- Soil

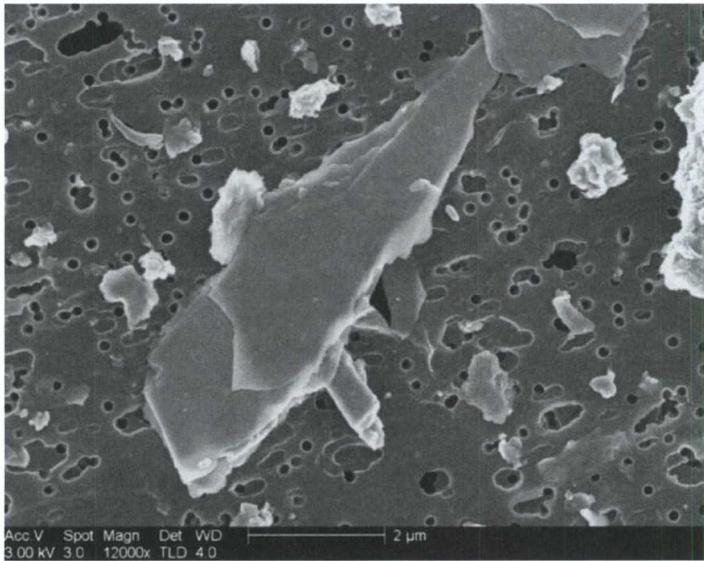


Length and width not recorded

No SAED pattern acquired

Mineral category: Quartz

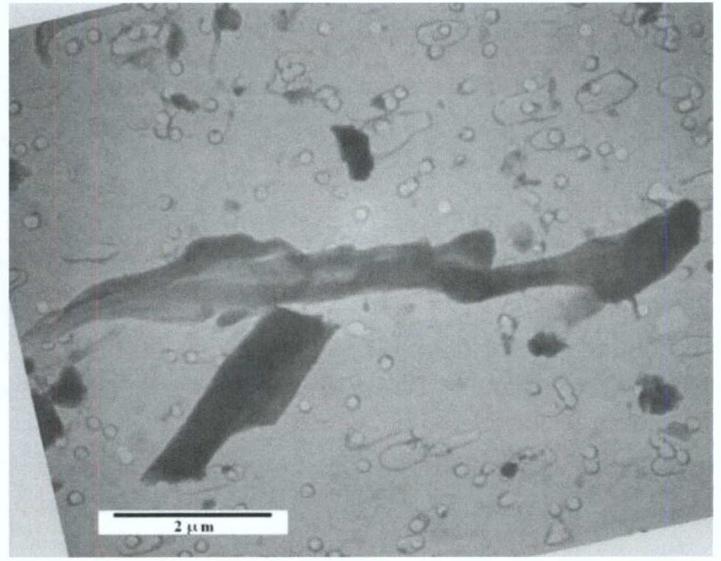
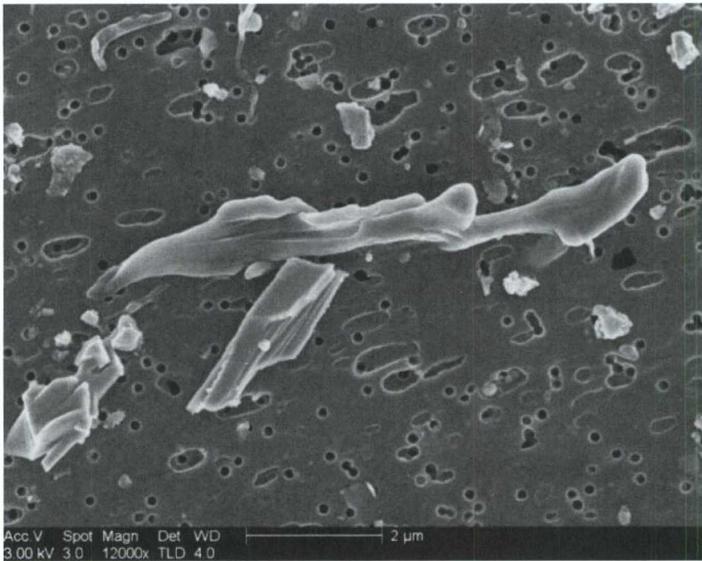
RJLG # 3044322 Field 31, Fiber 1
 CPS-S101-100804-FG2 -- Soil



TEM could not relocate

Mineral category: Unknown

RJLG # 3044322 Field 31, Fiber 2
CPS-S101-100804-FG2 -- Soil



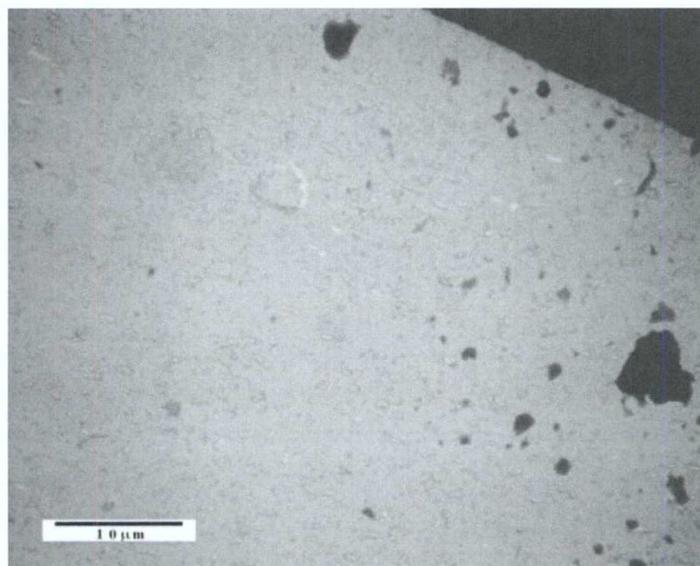
No EDS image acquired - organic

Length and width not recorded

Mineral category: Unknown

SAED not measured

RJLG # 3044322 Field 32, Fiber 1
CPS-S101-100804-FG2 -- Soil

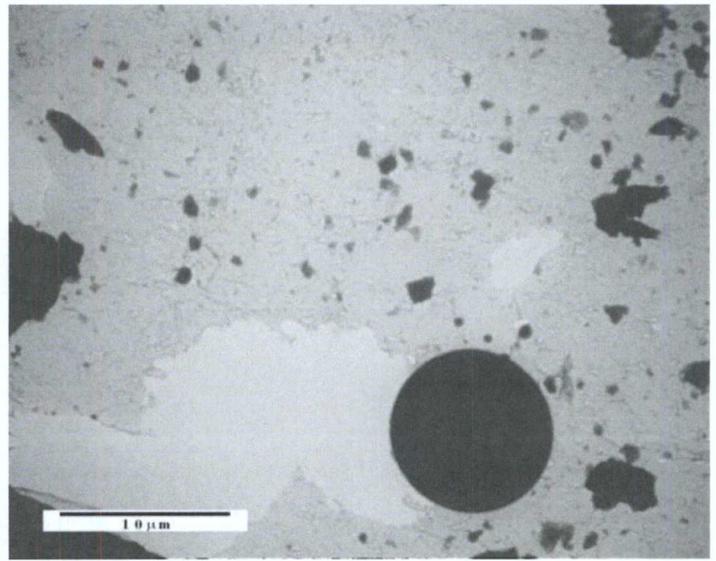
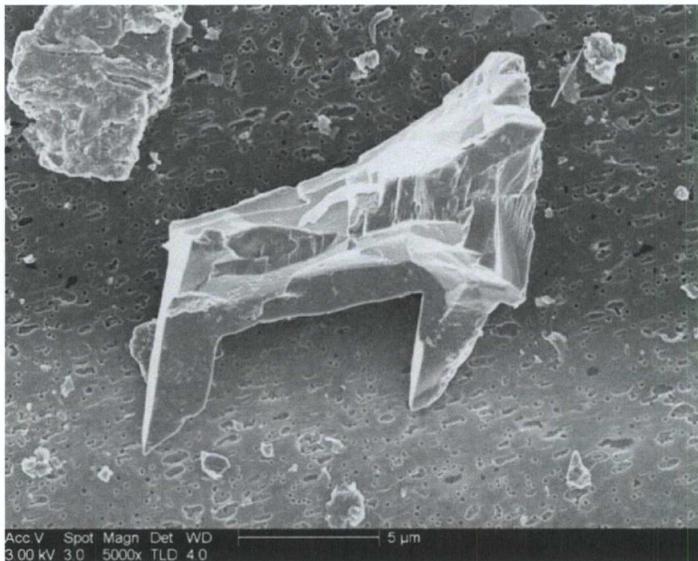


No EDS image acquired

TEM could not relocate
Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 33, Fiber 1
CPS-S101-100804-FG2 -- Soil



No EDS image acquired

Length and width not recorded - structure damaged

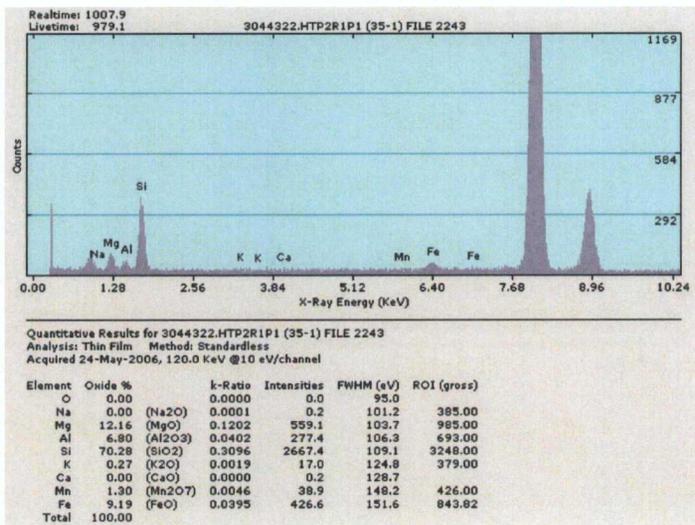
Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044322 Field 34, Fiber 1
CPS-S101-100804-FG2 -- Soil



SEM did not relocate

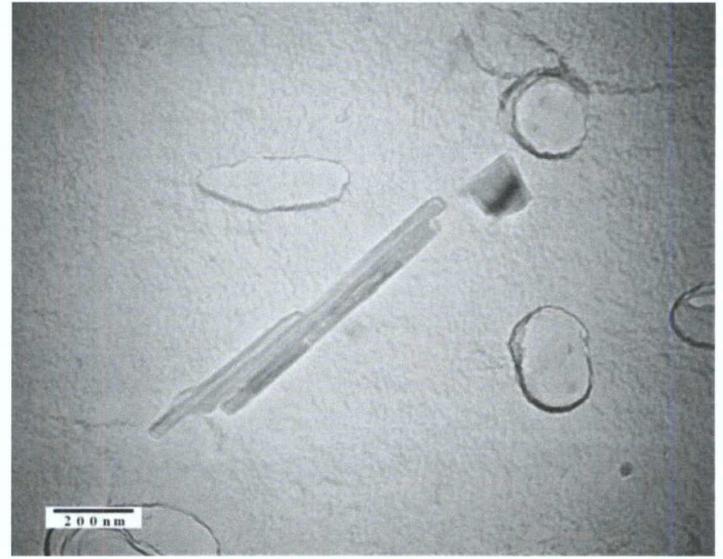


SAED not measured

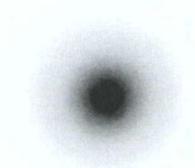
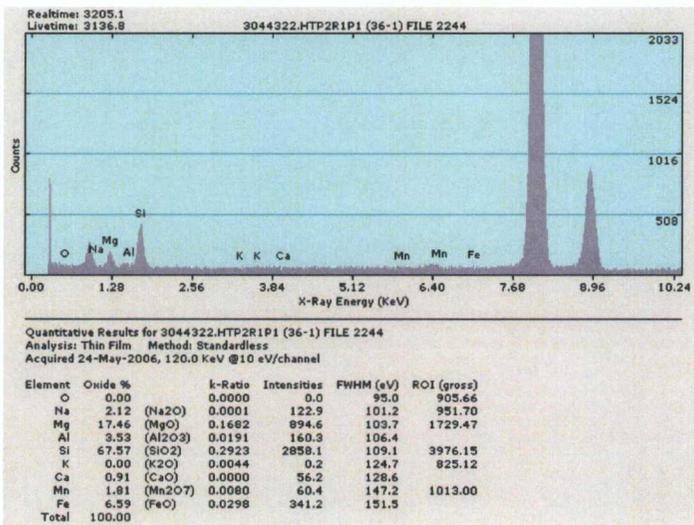
L = .9 W = .1 AR = 9:1

Mineral category: Unknown

RJLG # 3044322 Field 35, Fiber 1
CPS-S101-100804-FG2 -- Soil



SEM did not relocate

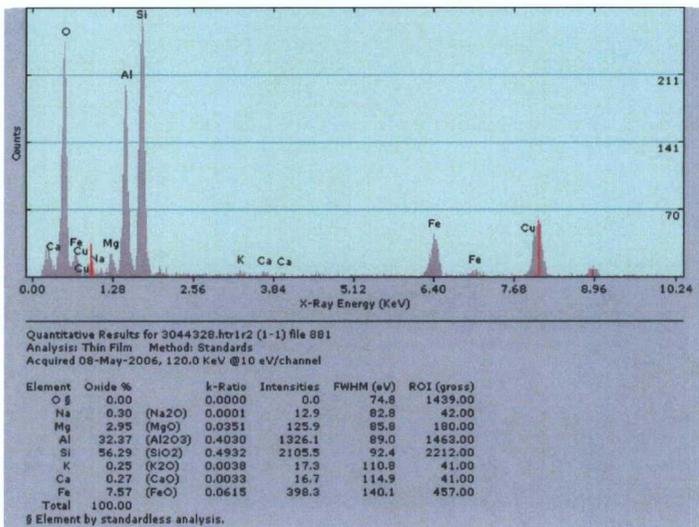
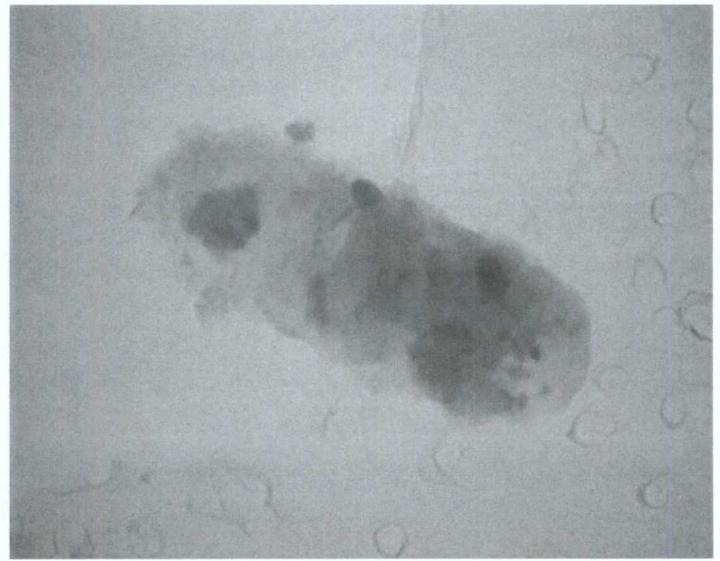
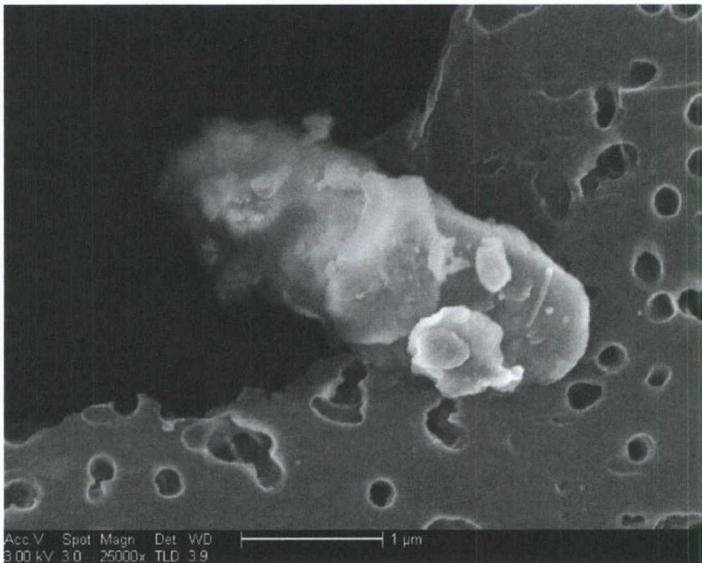


SAED not measured

L = .6 W = .04 AR = 15:1

Mineral category: Unknown

RJLG # 3044322 Field 36, Fiber 1
CPS-S101-100804-FG2 -- Soil



L = 3.5 W = 1.1 AR = 3:1

Mineral category: Sheet Silicate

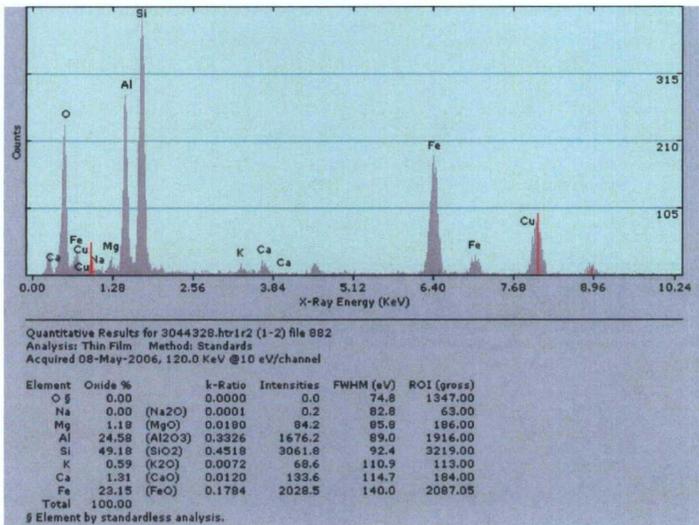
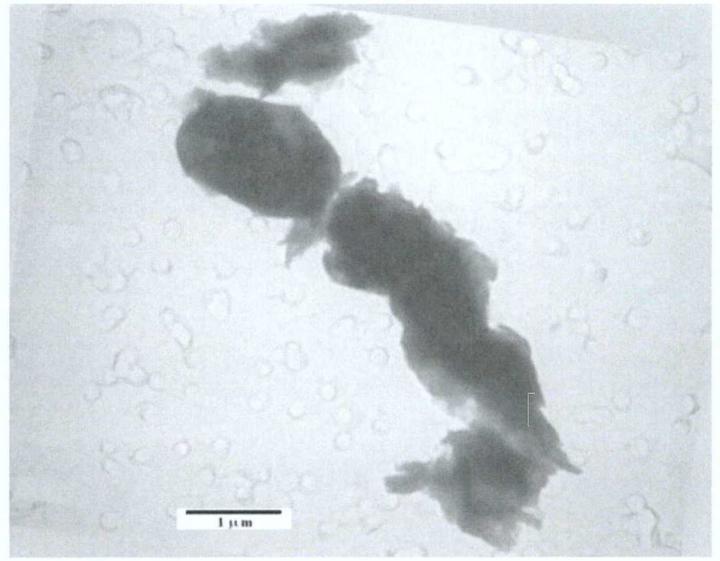
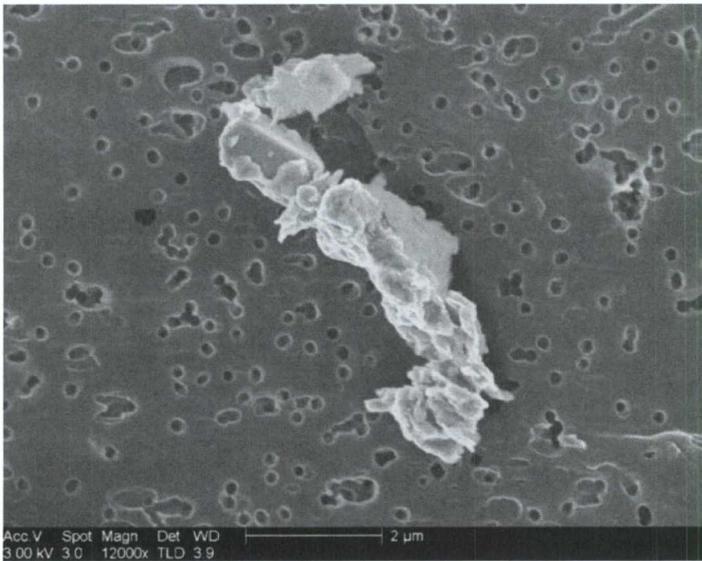
Zone 101

D1 4.71

Phi 58.9

D2 4.58

RJLG # 3044328 Field 1, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

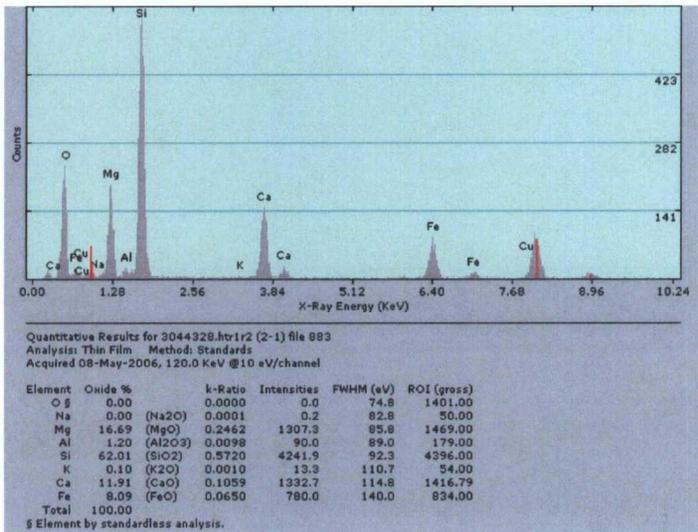
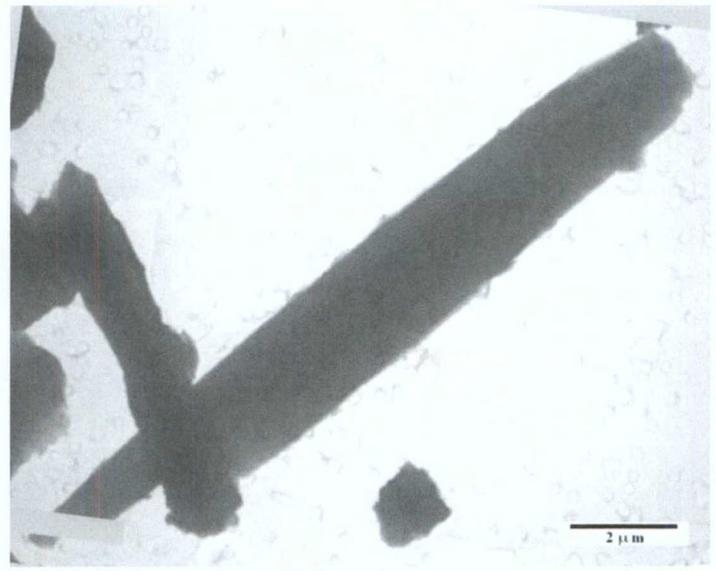
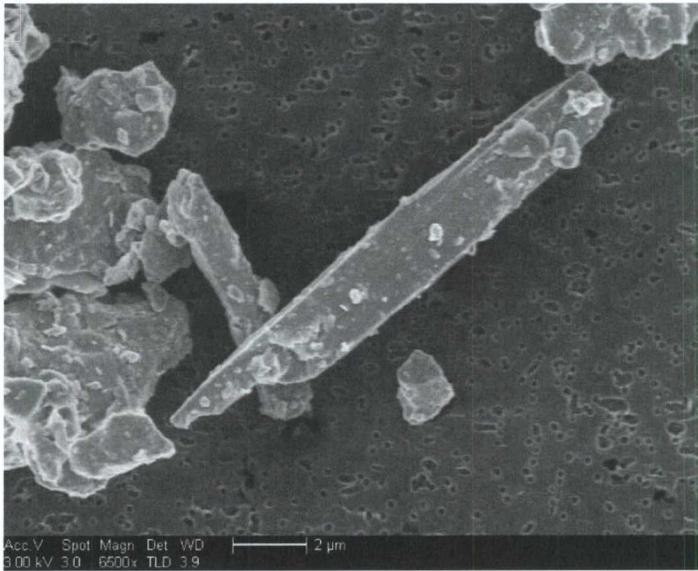


L = 7.3 W = 1.1 AR = 7:1

Mineral category: Clay/Mica

No SAED pattern acquired

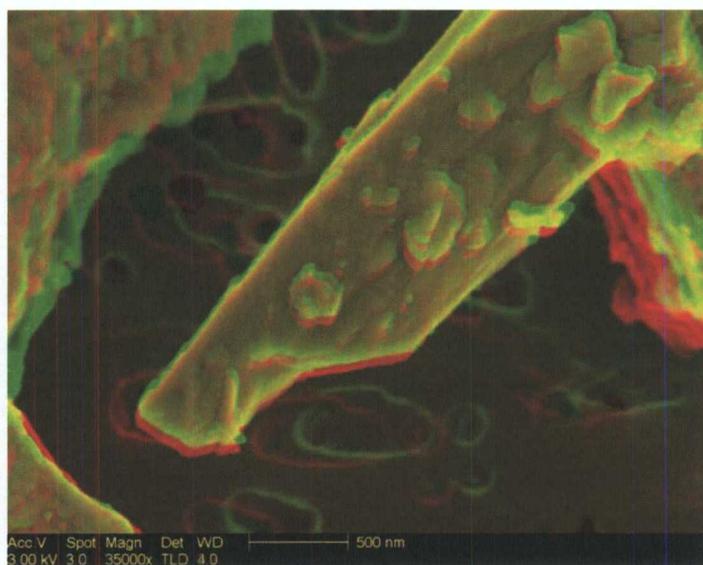
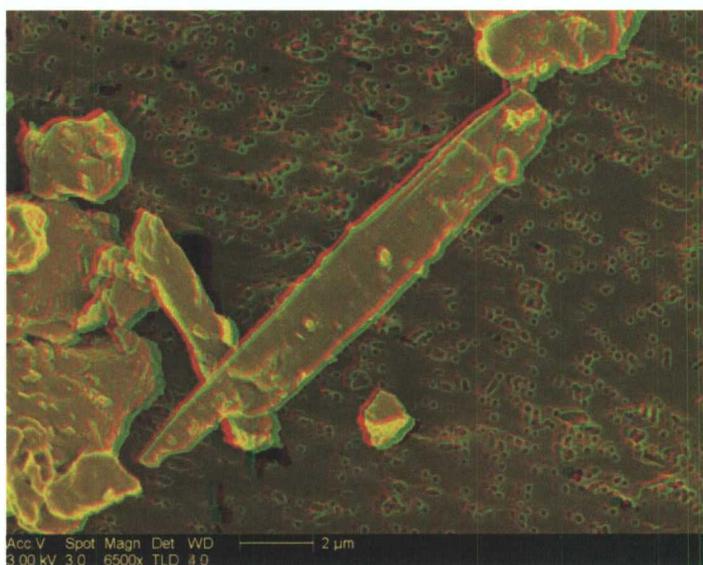
RJLG # 3044328 Field 1, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



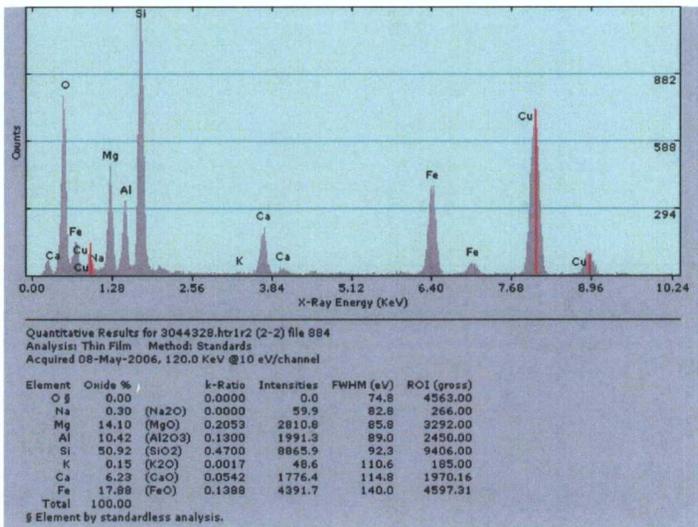
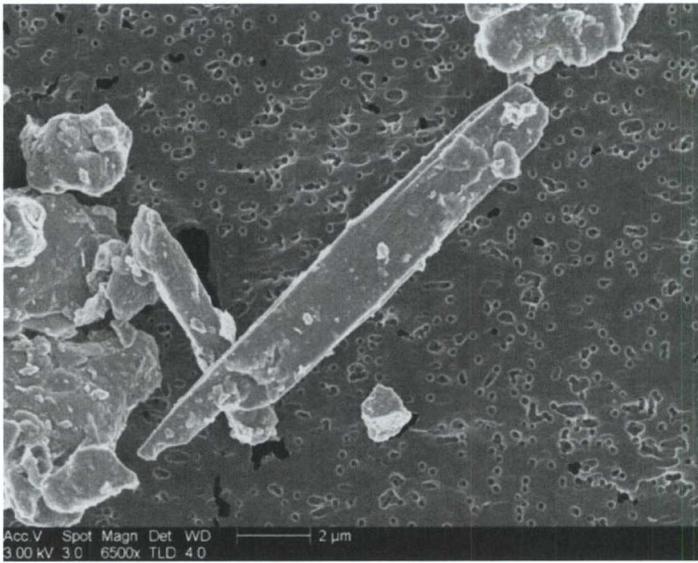
L = 17.25 W = 2.5 AR = 7:1
 Mineral category: Amphibole

Zone 100 D1 9.21
 Phi 89.5 D2 5.38

RJLG # 3044328 Field 2, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



RJLG # 3044328 Field 2, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



L = 8.5 W = 1 AR = 9:1

Mineral category: Amphibole

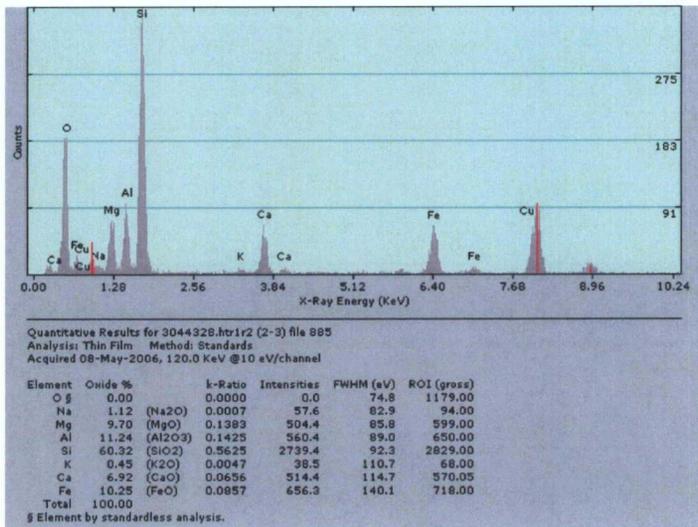
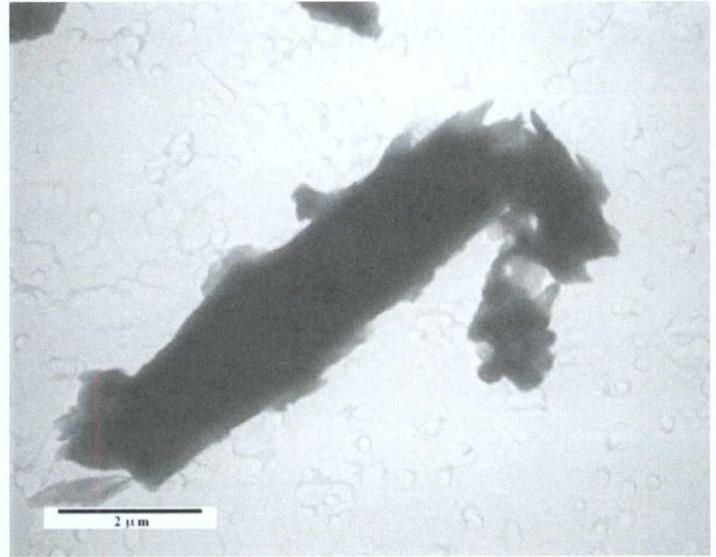
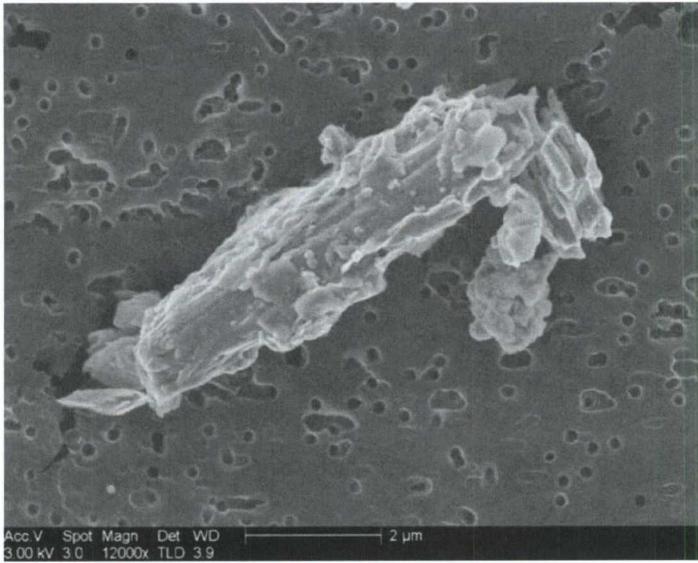
Zone 314

D1 5.21

Phi 84.9

D2 5.09

RJLG # 3044328 Field 2, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 9.5 W = 2 AR = 5:1

Mineral category: Pyroxene

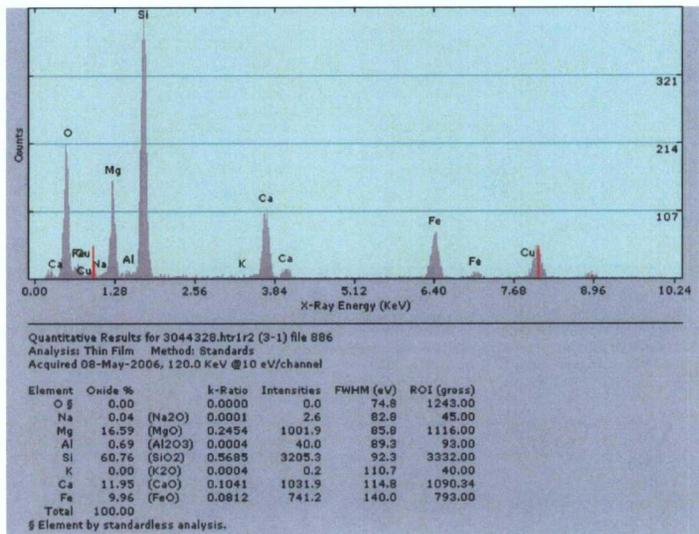
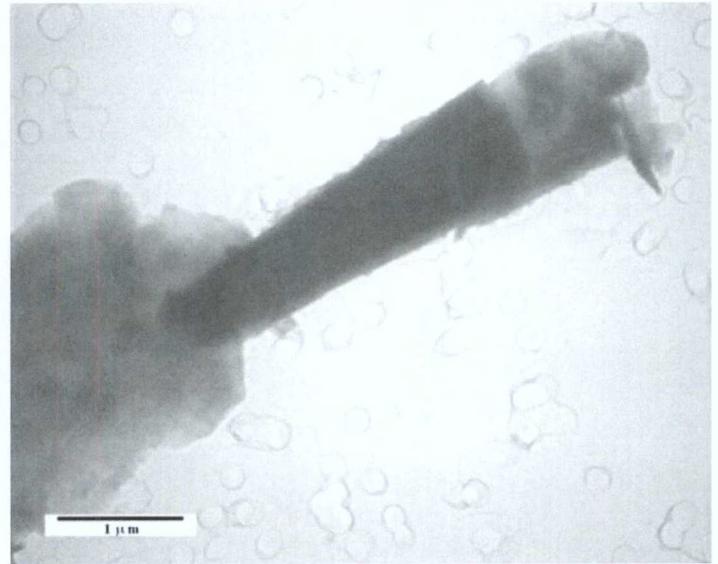
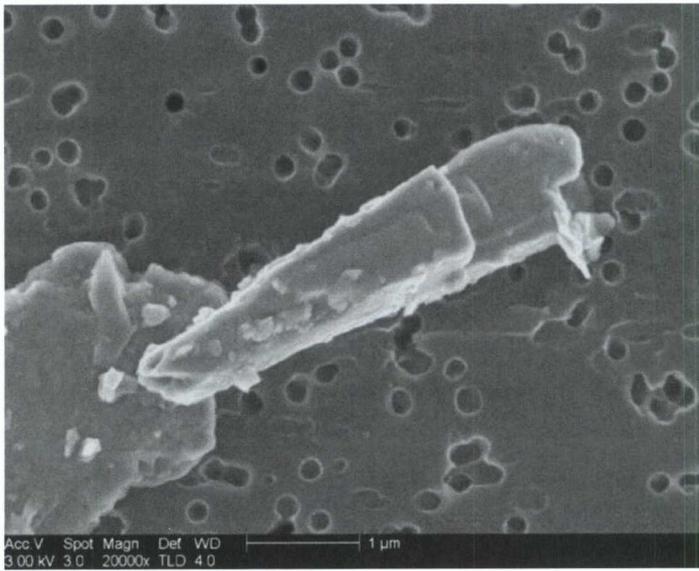
Zone 332

D1 6.62

Phi 87.3

D2 1.8

RJLG # 3044328 Field 2, Fiber 3
 NFB-SS04-100804-FG2 -- Elutriator

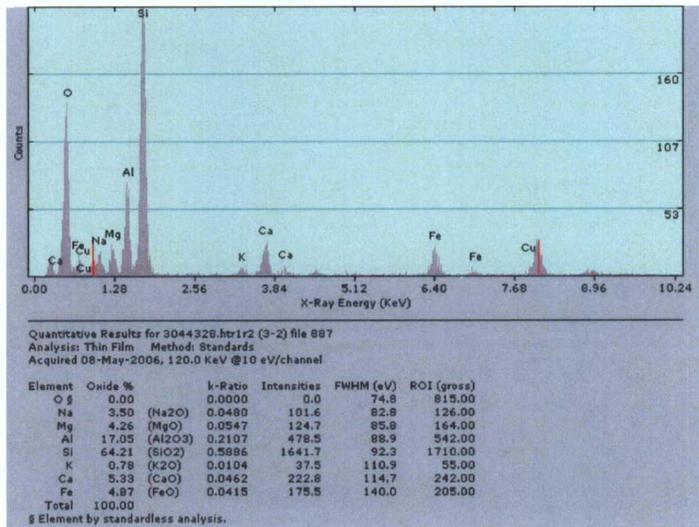
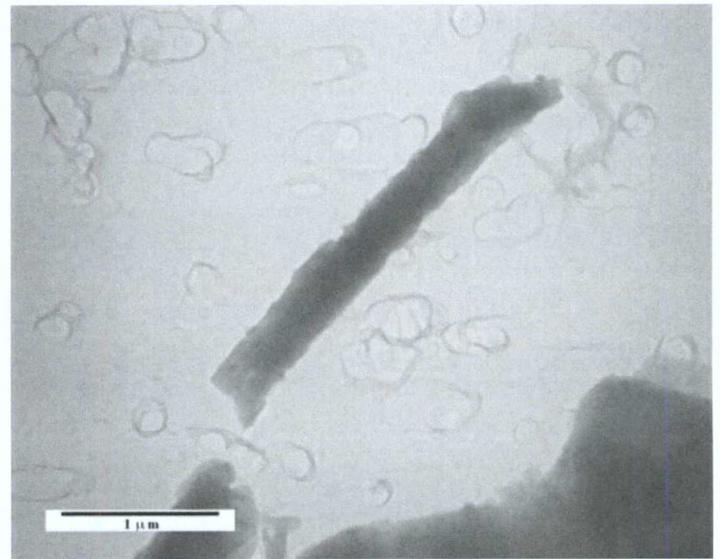
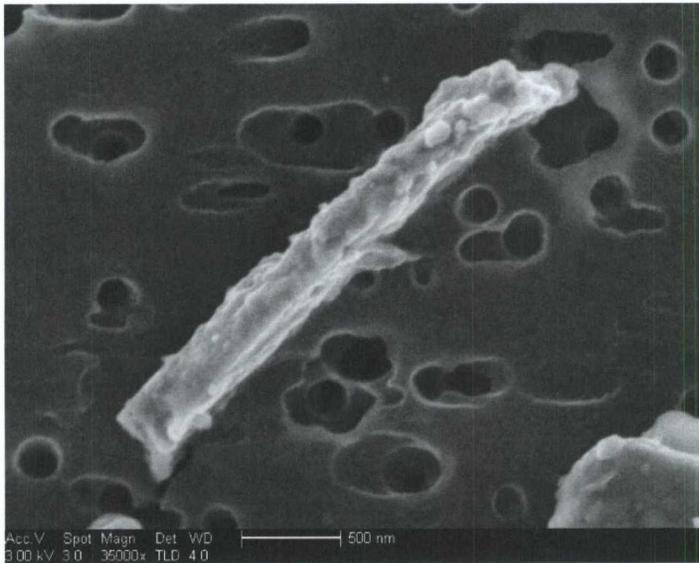


L = 5.2 W = .85 AR = 6:1

Mineral category: Amphibole

Zone	301	D1	8.73
Phi	83.3	D2	2

RJLG # 3044328 Field 3, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 3.5 W = .45 AR = 8:1

Mineral category: Pyroxene

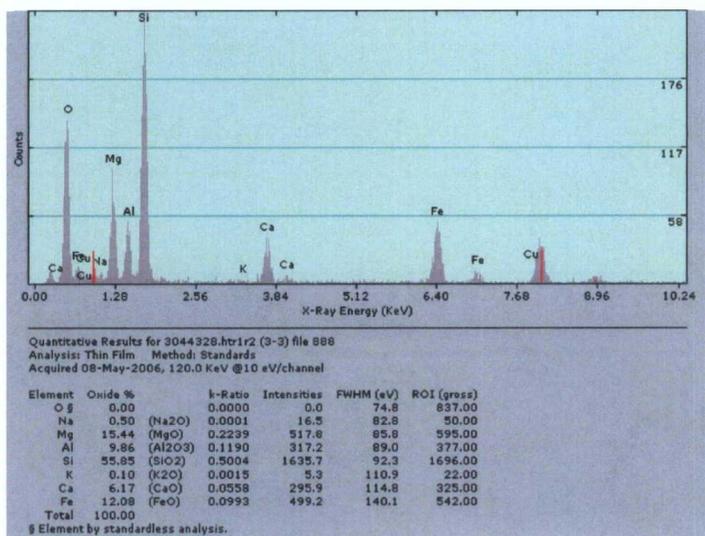
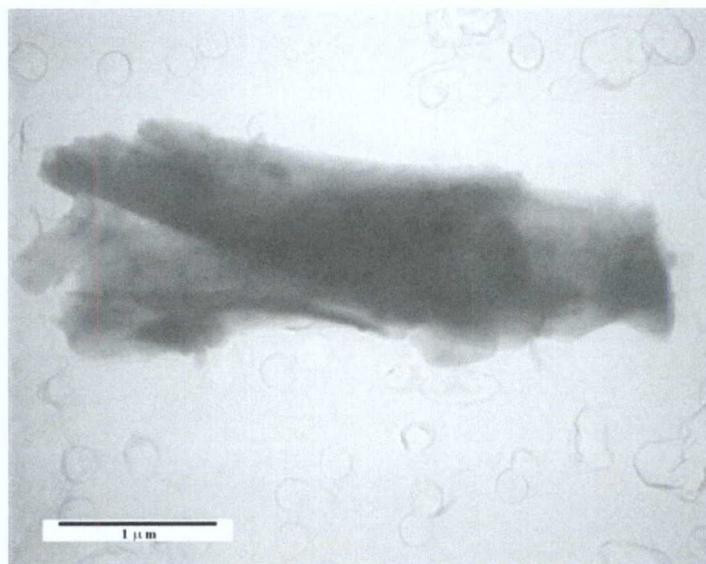
Zone 11-1

D1 6.39

Phi 83.8

D2 2.27

RJLG # 3044328 Field 3, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 5 W = 1.25 AR = 4:1

Mineral category: Amphibole

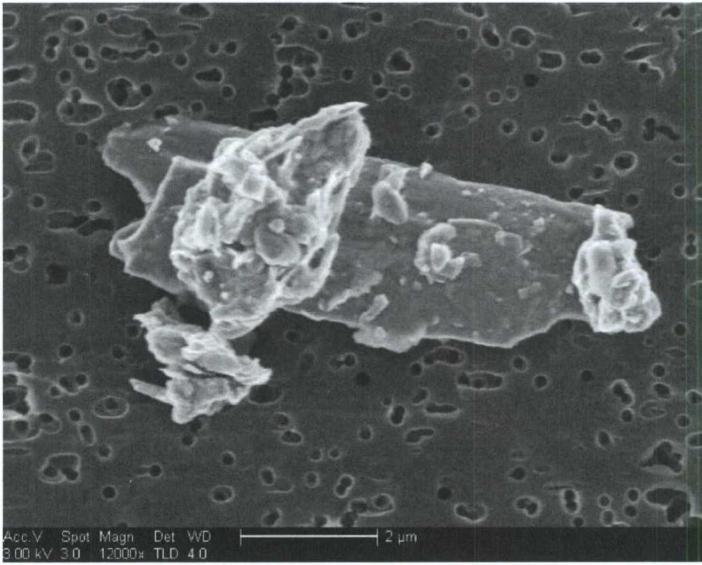
Zone 410

D1 5.23

Phi 86.1

D2 1.99

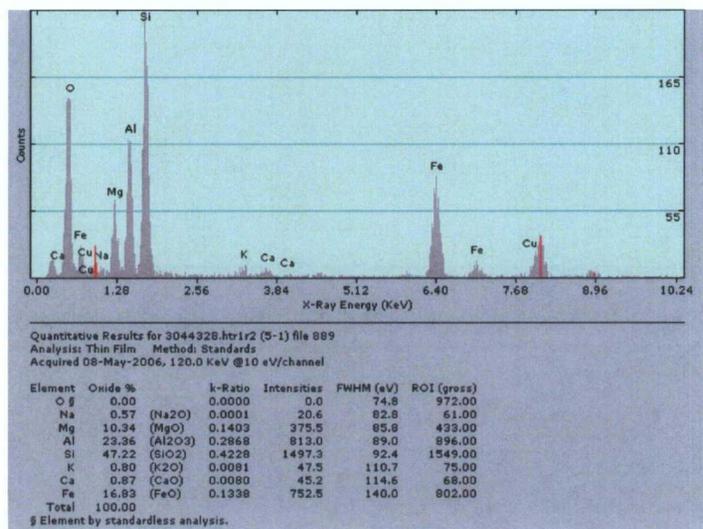
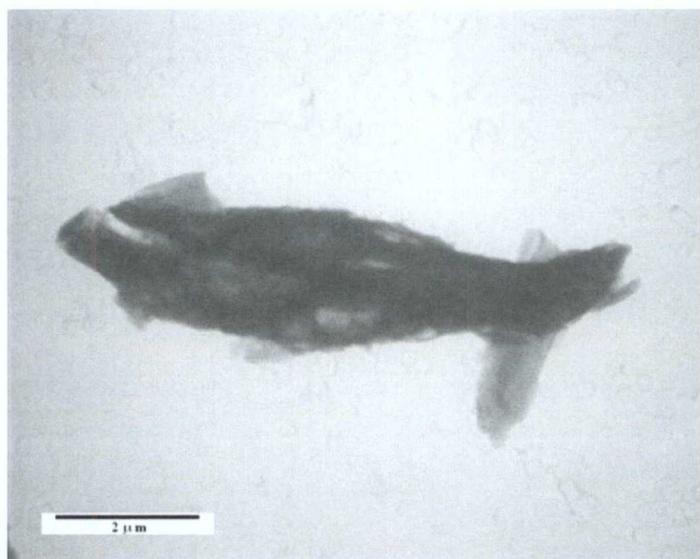
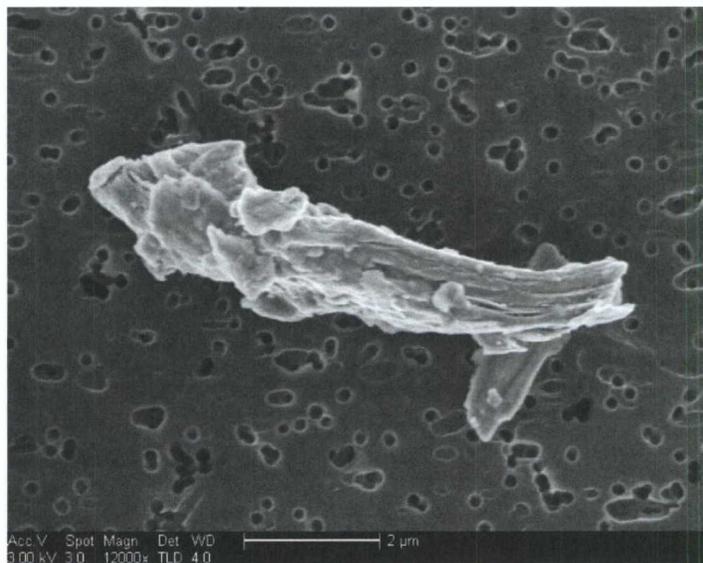
RJLG # 3044328 Field 3, Fiber 3
 NFB-SS04-100804-FG2 -- Elutriator



TEM could not relocate

Mineral category: Unknown

RJLG # 3044328 Field 4, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator

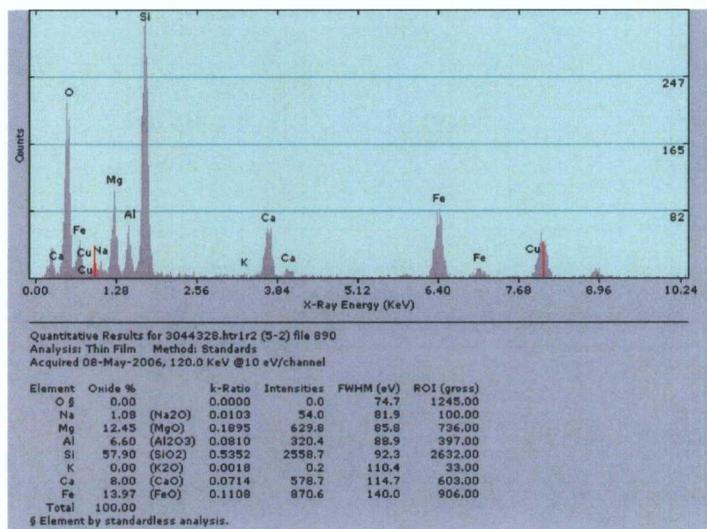
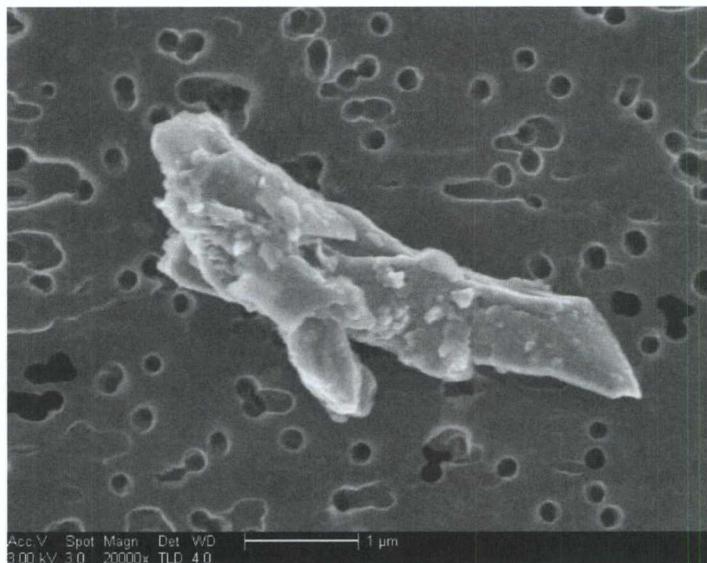


L = 9.75 W = 1.5 AR = 7:1

No SAED pattern acquired

Mineral category: Amphibole

RJLG # 3044328 Field 5, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

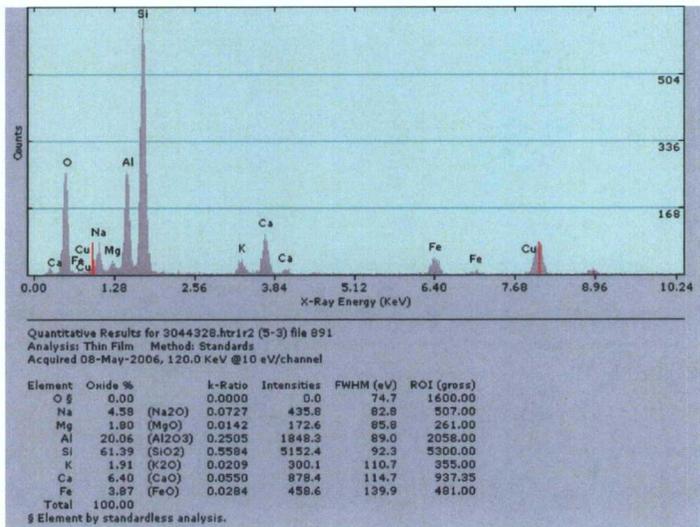
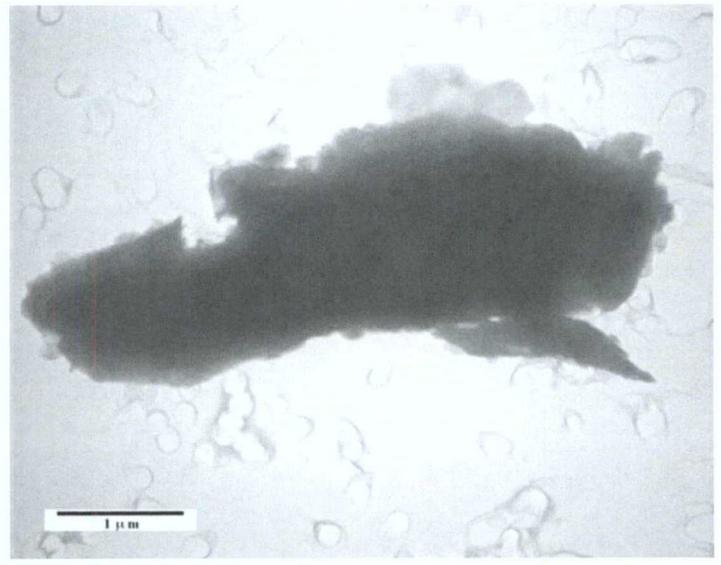
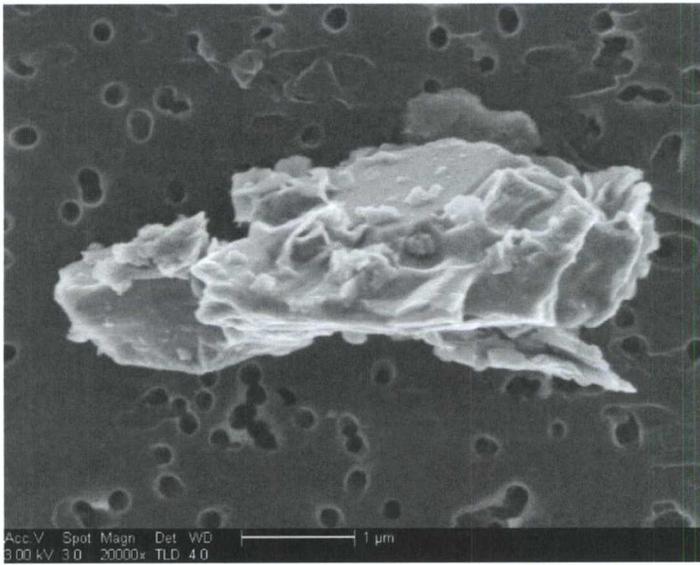


L = 5.5 W = 1.7 AR = 3:1

Mineral category: Amphibole

Zone	10-1	D1	9.28
Phi	78.4	D2	4.09

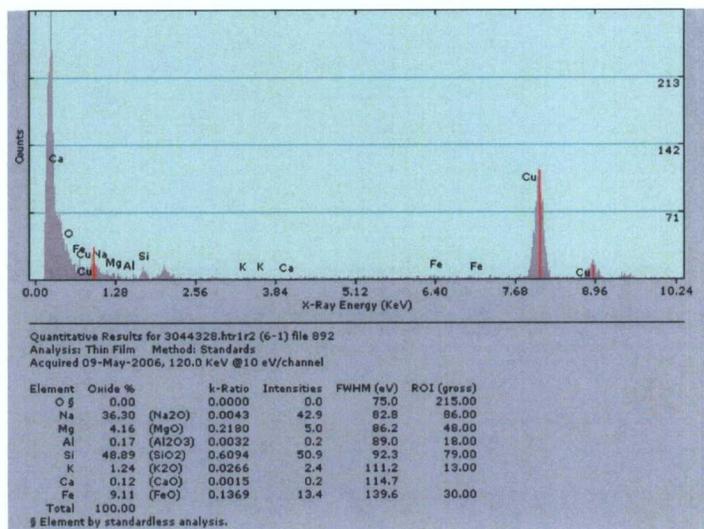
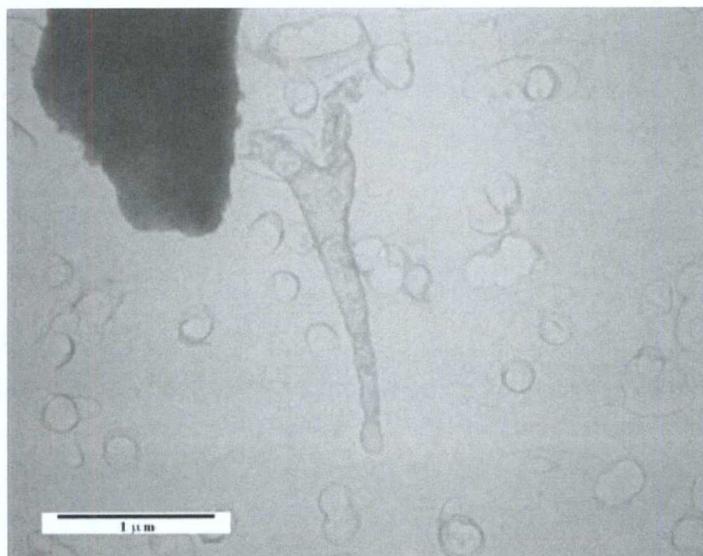
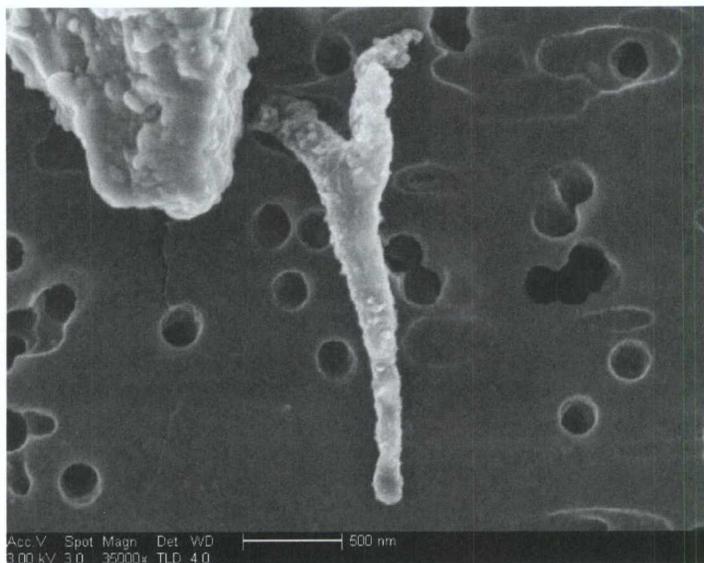
RJLG # 3044328 Field 5, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 6.5 W = 1.75 AR = 4:1
 Mineral category: Pyroxene

Zone 11-1 D1 6.52
 Phi 83.7 D2 2.26

RJLG # 3044328 Field 5, Fiber 3
 NFB-SS04-100804-FG2 -- Elutriator

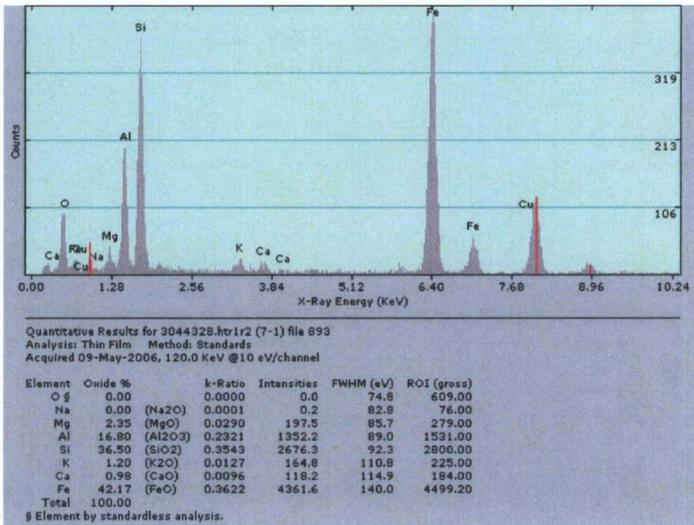
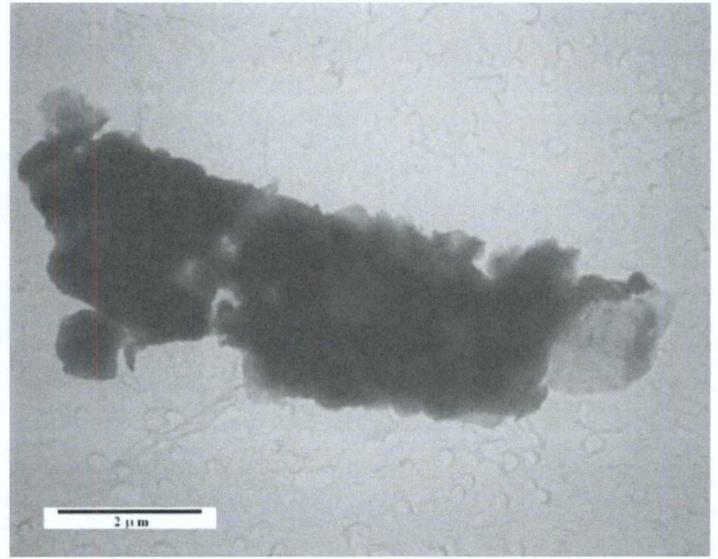
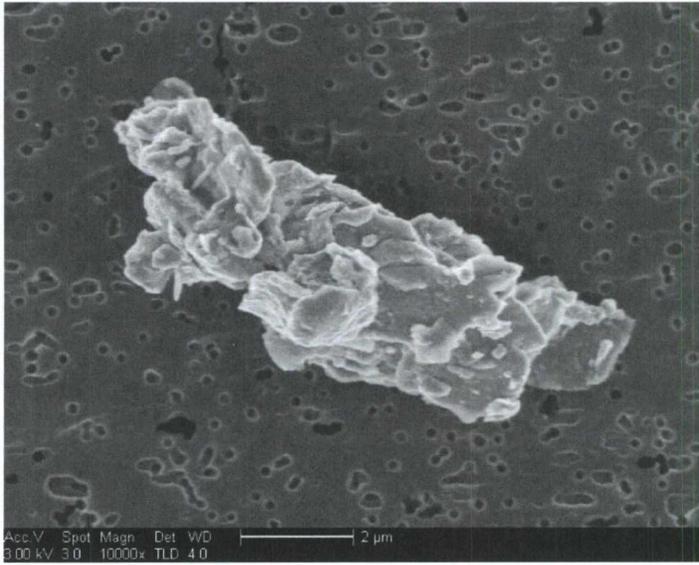


L = 2.75 W = .35 AR = 8:1

Mineral category: Unknown

No SAED pattern acquired

RJLG # 3044328 Field 6, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

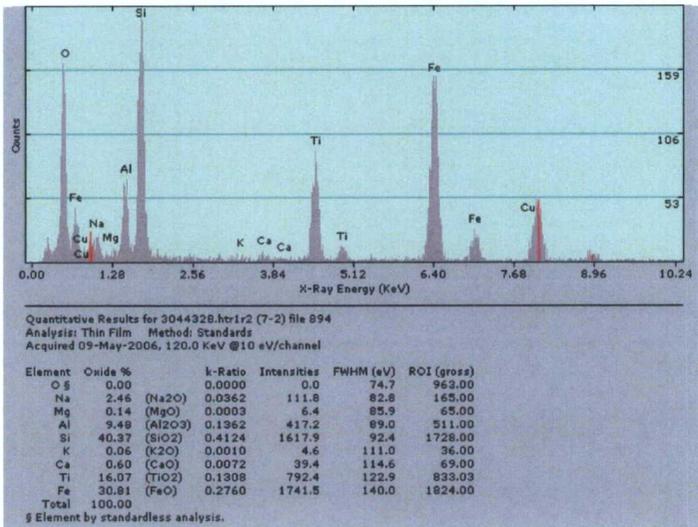
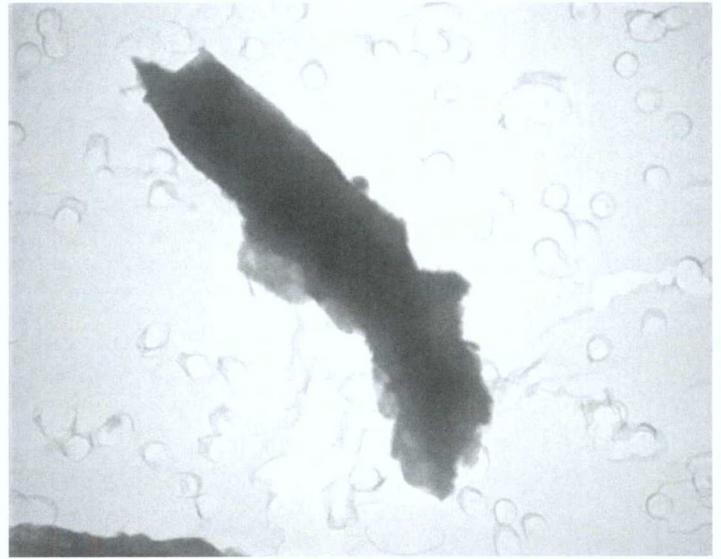
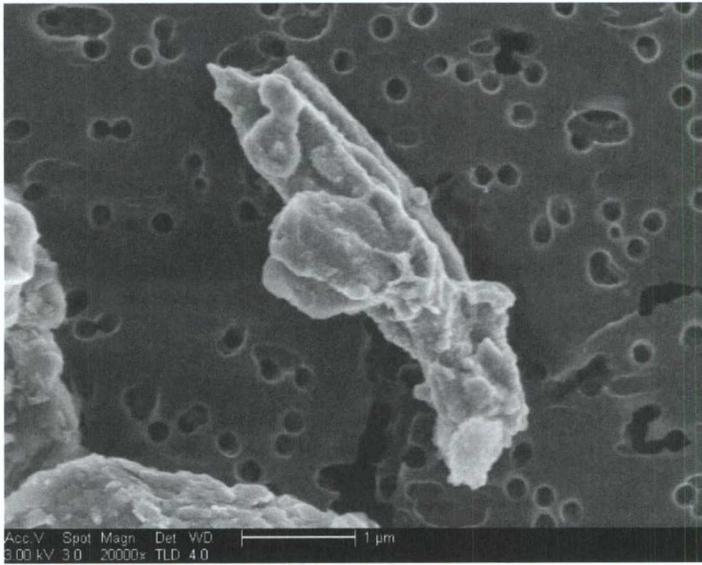


L = 10.75 W = 2.5 AR = 4:1

Mineral category: Amphibole

No SAED pattern acquired

RJLG # 3044328 Field 7, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

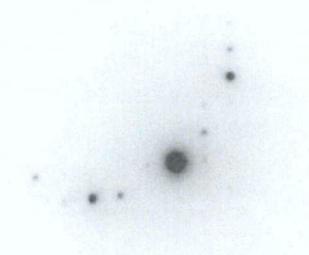
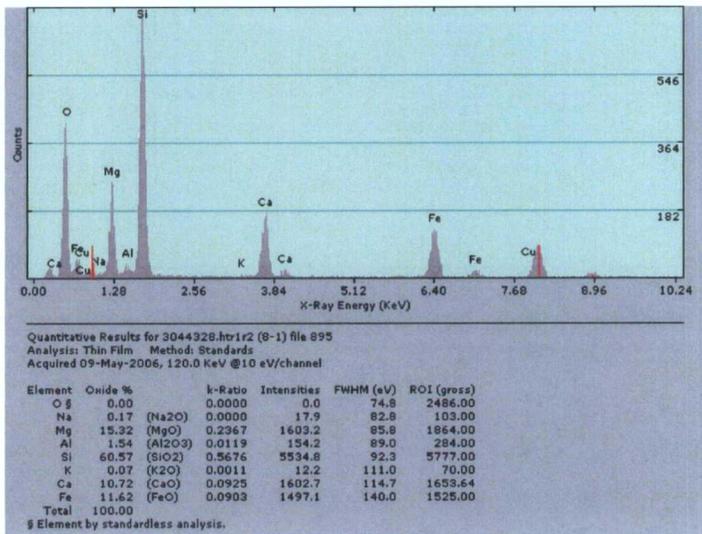
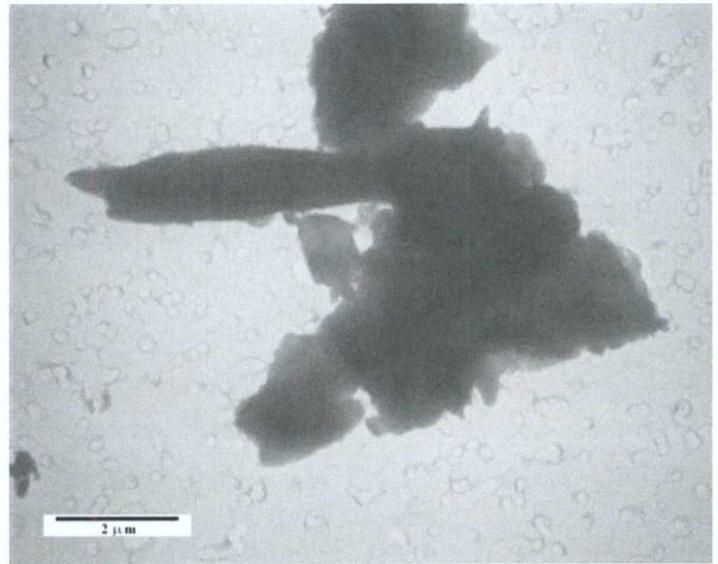
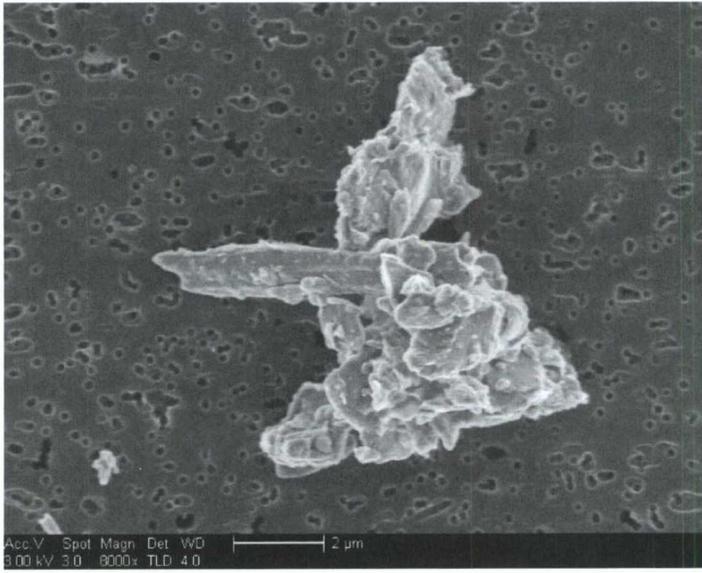


L = 5 W = 1 AR = 5:1

No SAED pattern acquired

Mineral category: Unknown

RJLG # 3044328 Field 7, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 7.2 W = 1.2 AR = 6:1

Mineral category: Amphibole

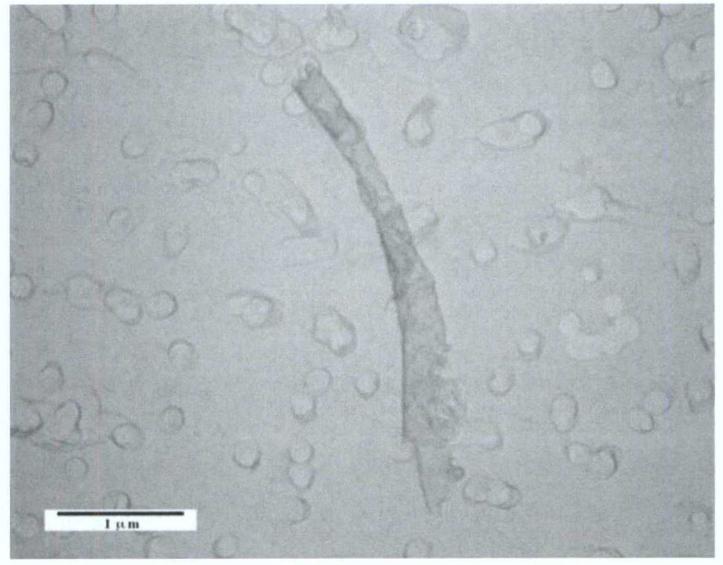
Zone 314

Phi 85

D1 5.35

D2 5.03

RJLG # 3044328 Field 8, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

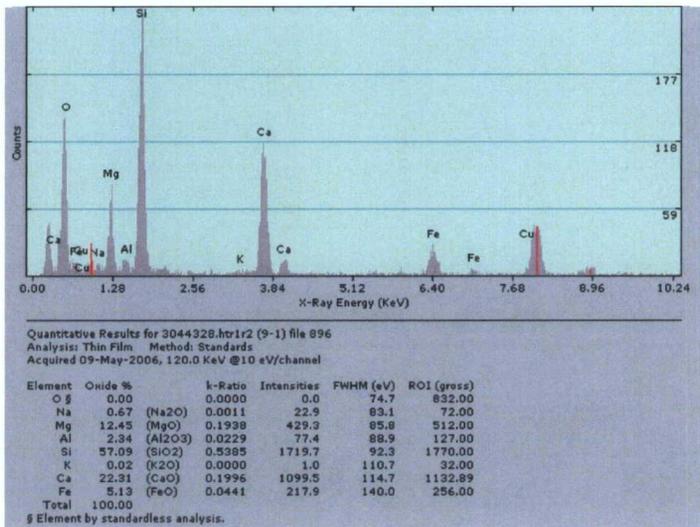
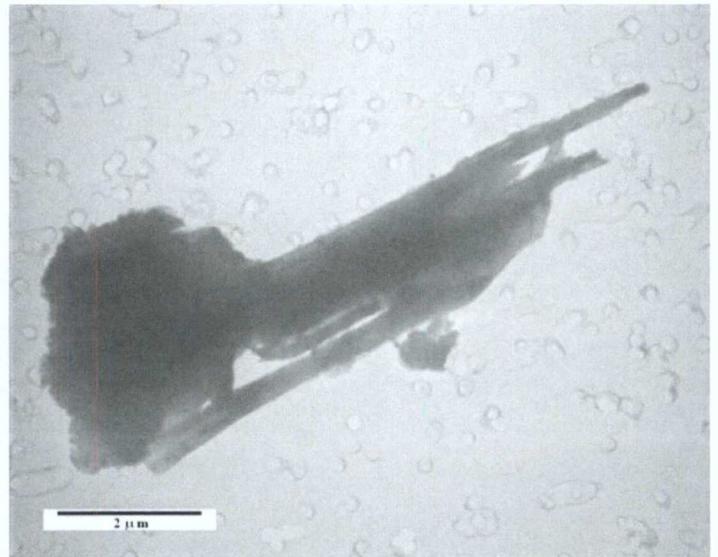
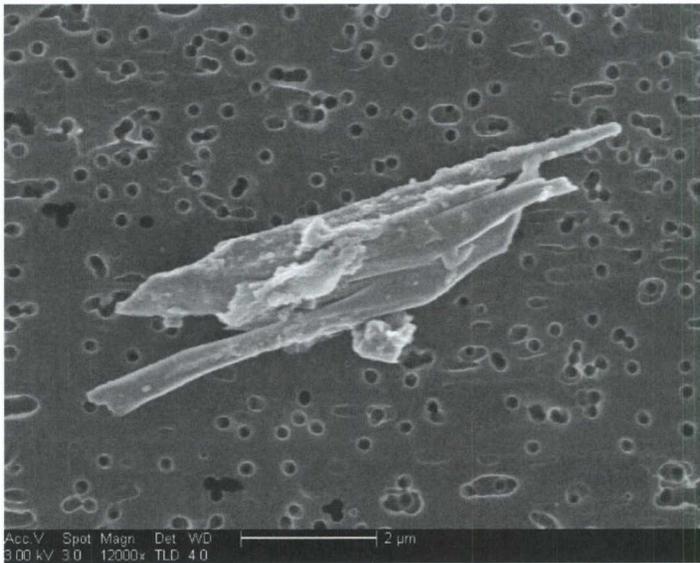


No EDS image acquired

No SAED pattern acquired

L = 4.5 W = .4 AR = 11:1
Mineral category: Unknown

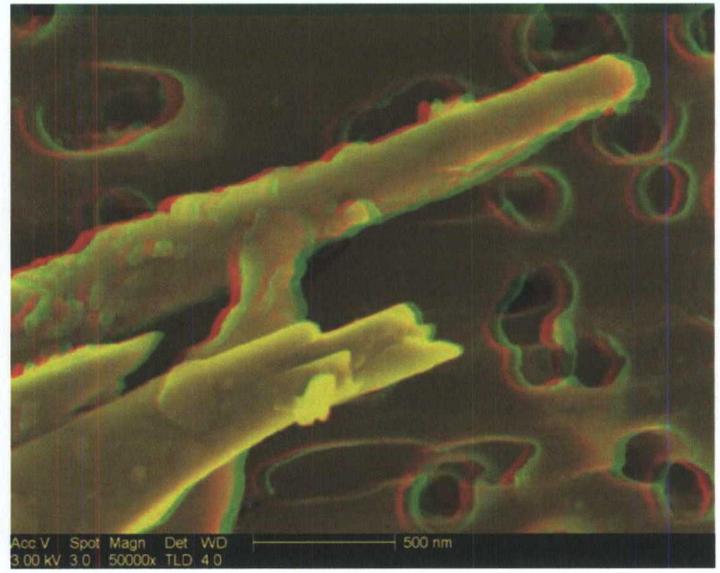
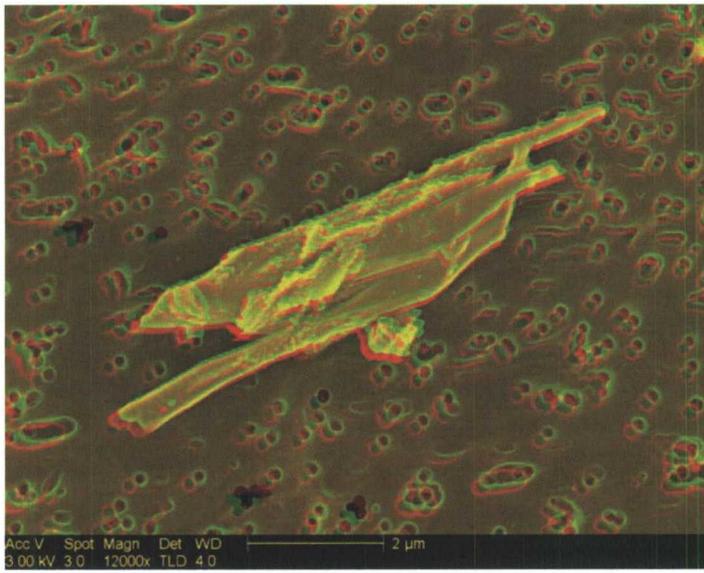
RJLG # 3044328 Field 8, Fiber 2
NFB-SS04-100804-FG2 -- Elutriator



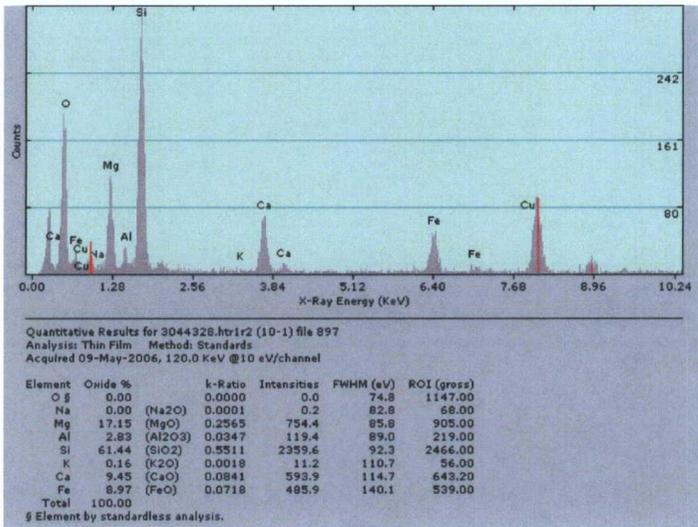
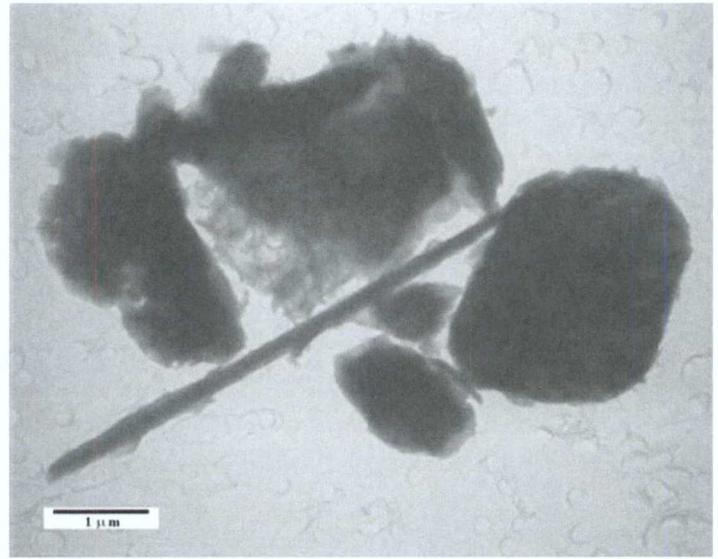
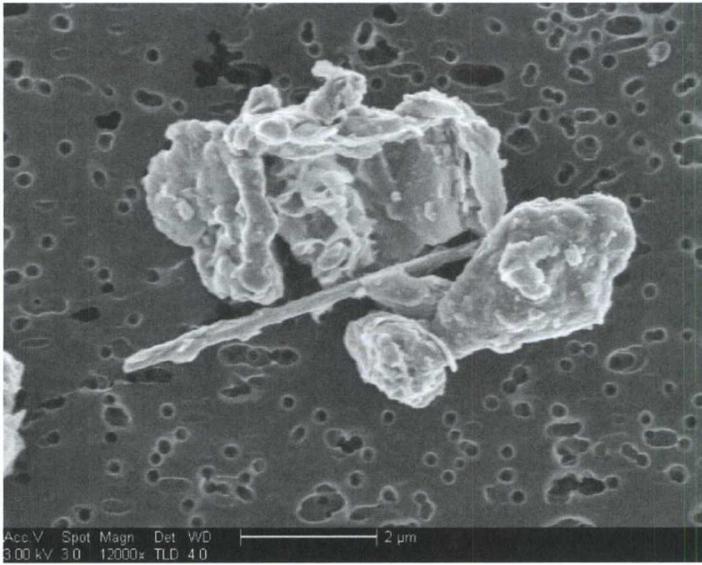
L = 10 W = 1.7 AR = 6:1
 Mineral category: Pyroxene

Zone 111 D1 6.59
 Phi 80.6 D2 2.59

RJLG # 3044328 Field 9, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



RJLG # 3044328 Field 9, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



L = 5 W = .3 AR = 17:1

Mineral category: Amphibole

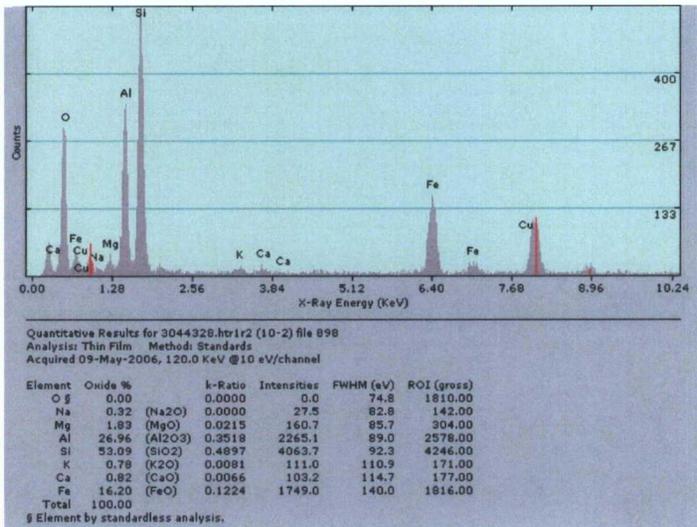
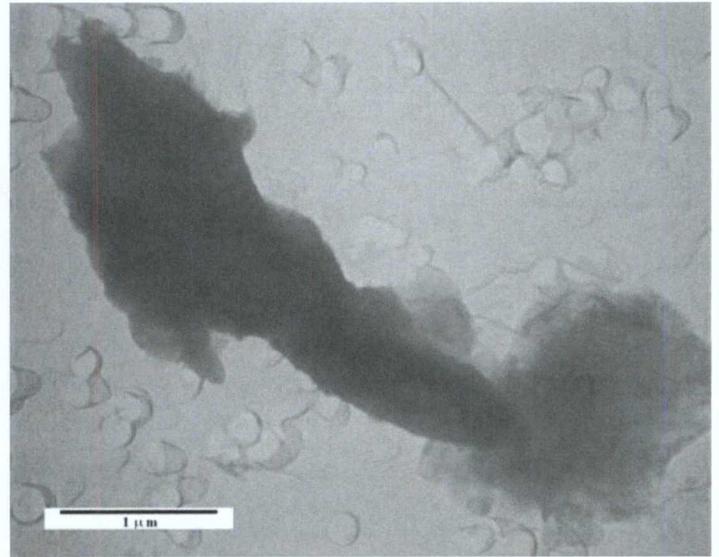
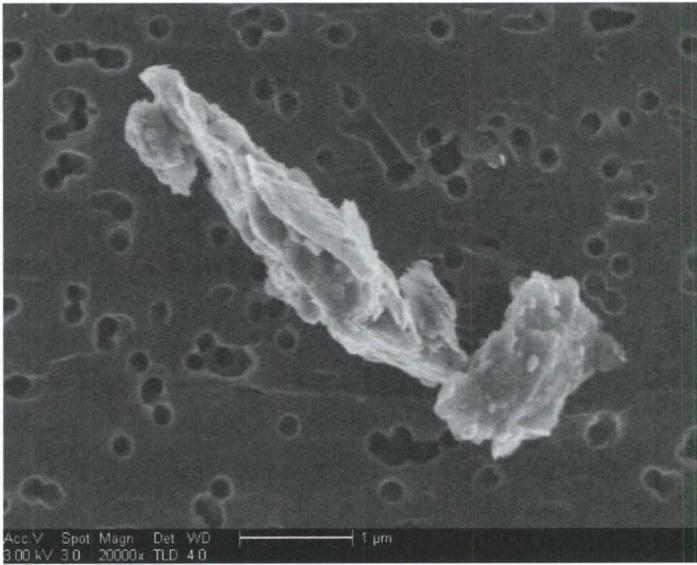
Zone 113

D1 8.6

Phi 88

D2 2.26

RJLG # 3044328 Field 10, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

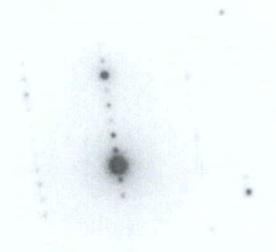
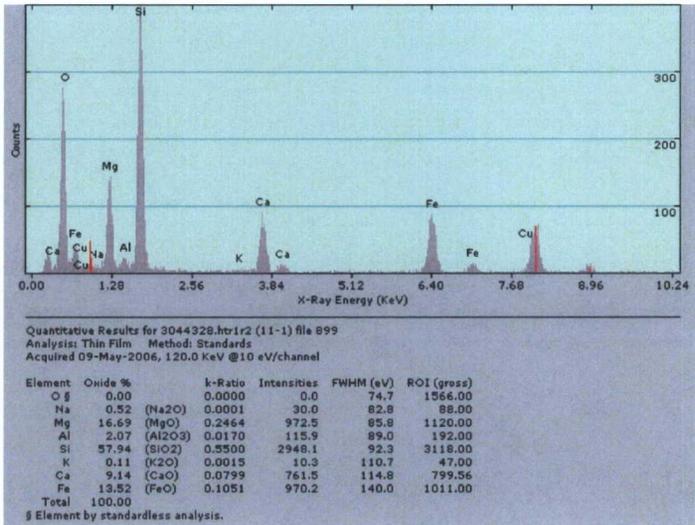
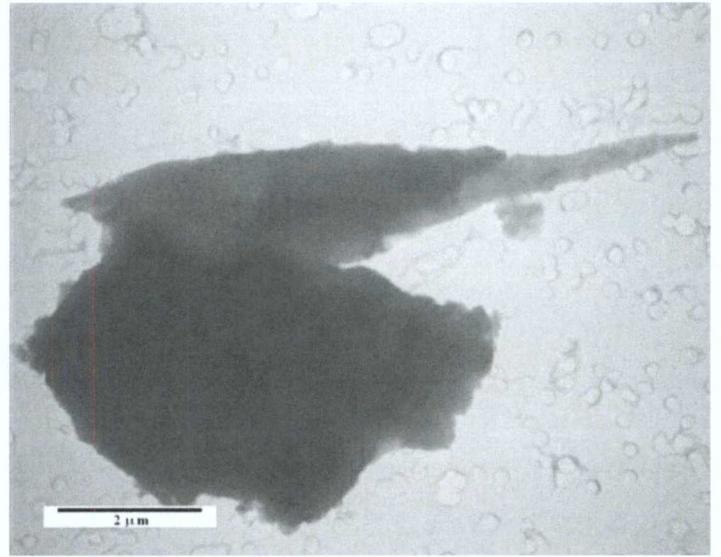
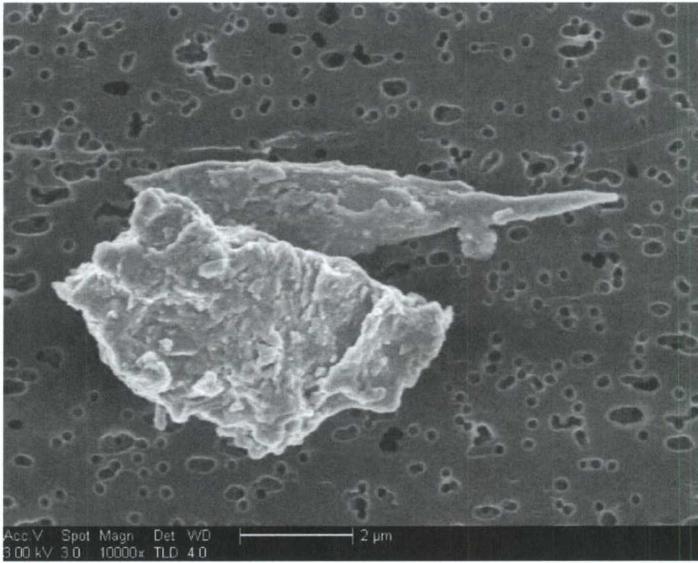


L = 5 W = 1.75 AR = 3:1

Mineral category: Clay/Mica

No SAED pattern acquired

RJLG # 3044328 Field 10, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 10 W = 1.25 AR = 8:1

Mineral category: Amphibole

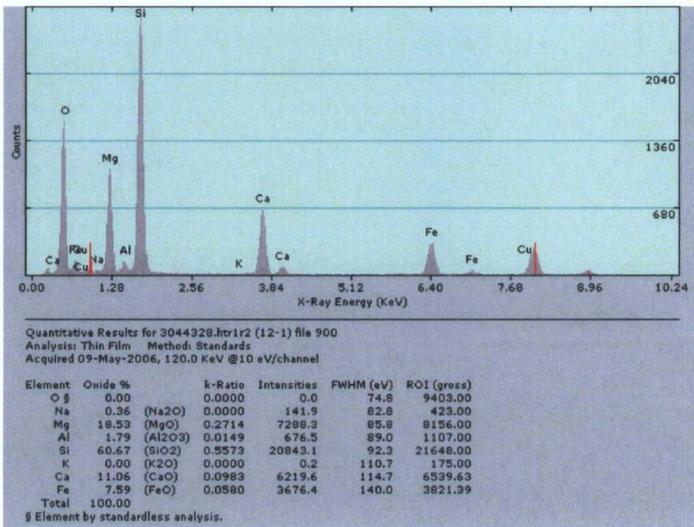
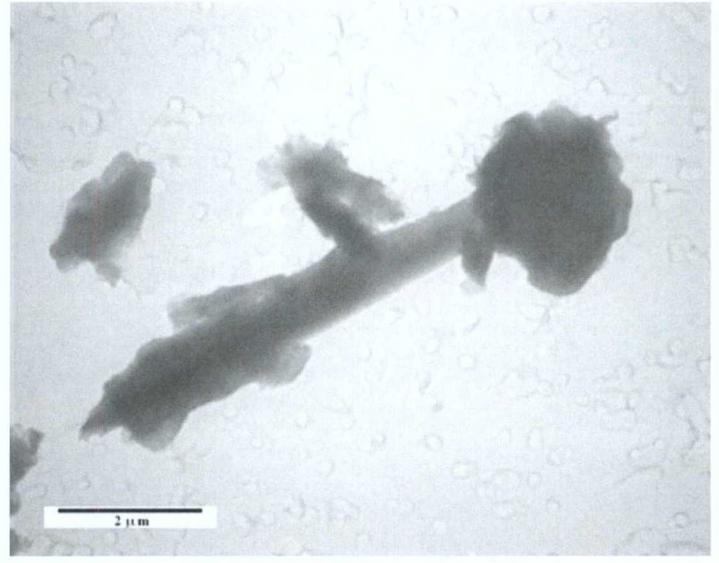
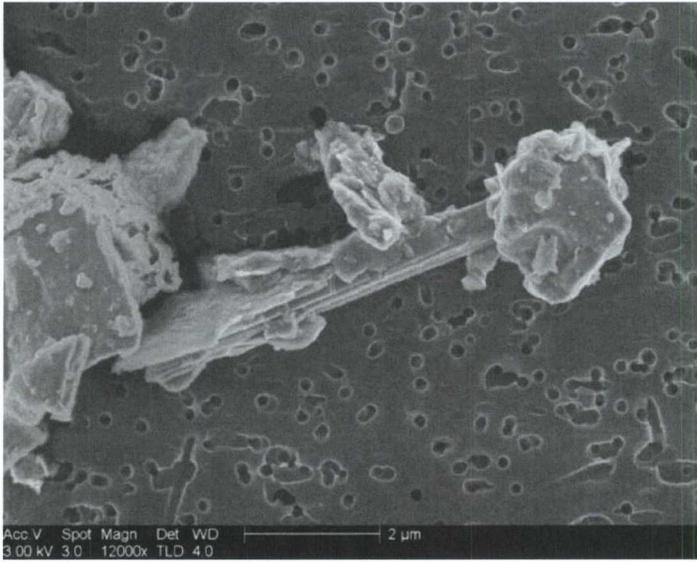
Zone 301

Phi 84.4

D1 9.13

D2 1.78

RJLG # 3044328 Field 11, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 7.5 W = 1 AR = 8:1

Mineral category: Amphibole

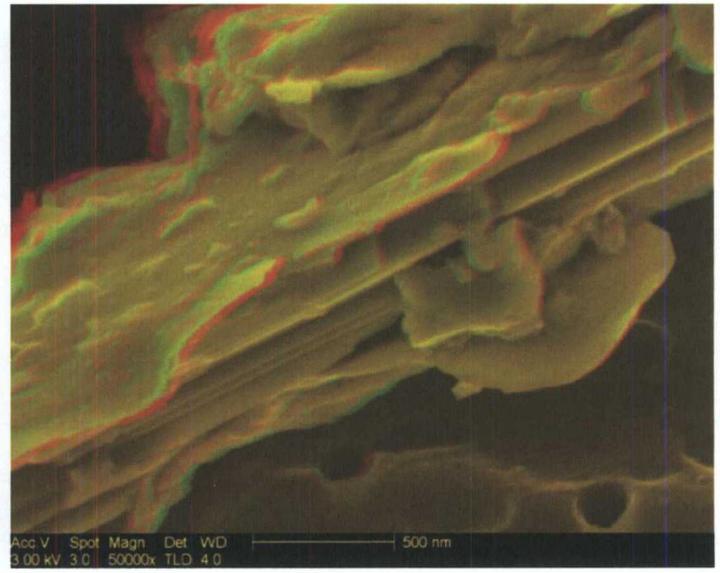
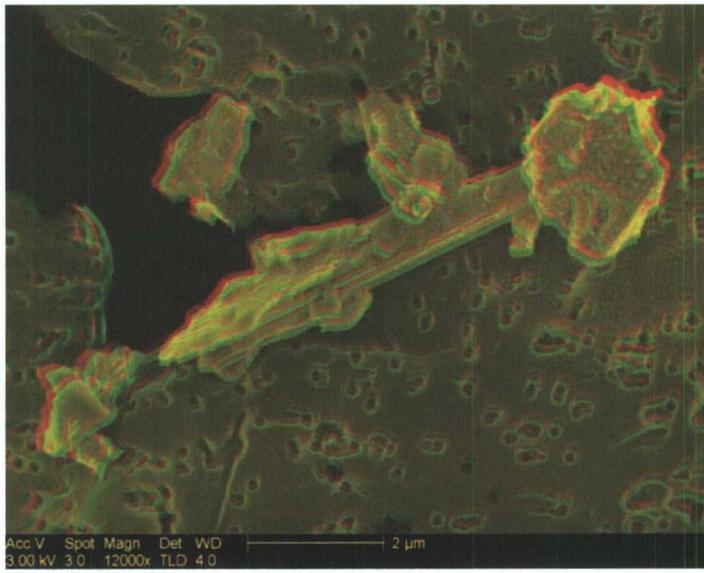
Zone 114

D1 8.76

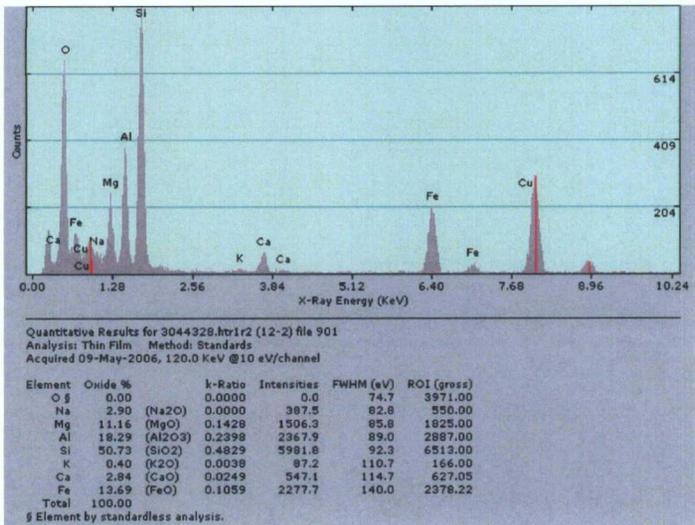
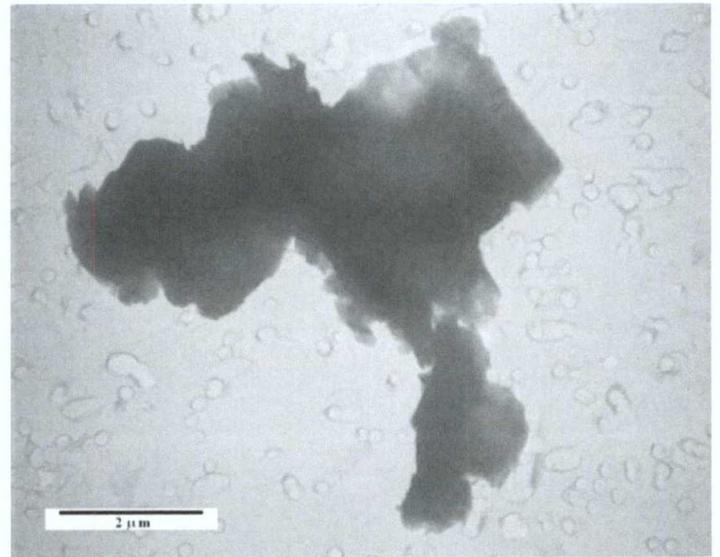
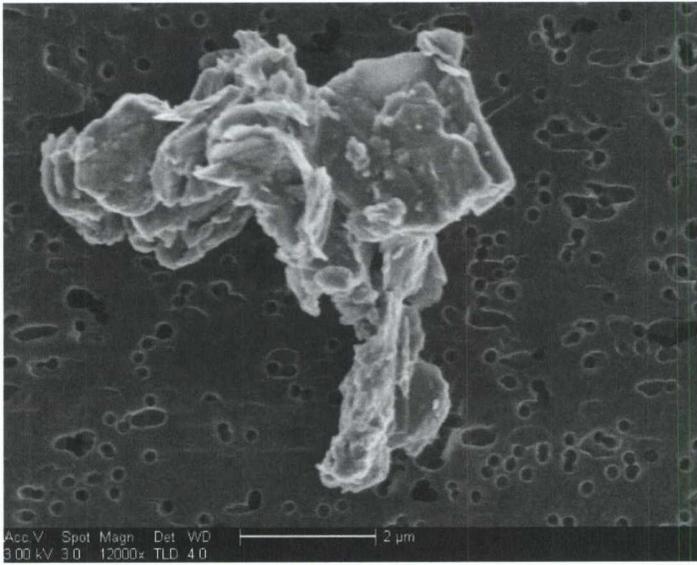
Phi 85.5

D2 4.04

RJLG # 3044328 Field 12, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



RJLG # 3044328 Field 12, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator

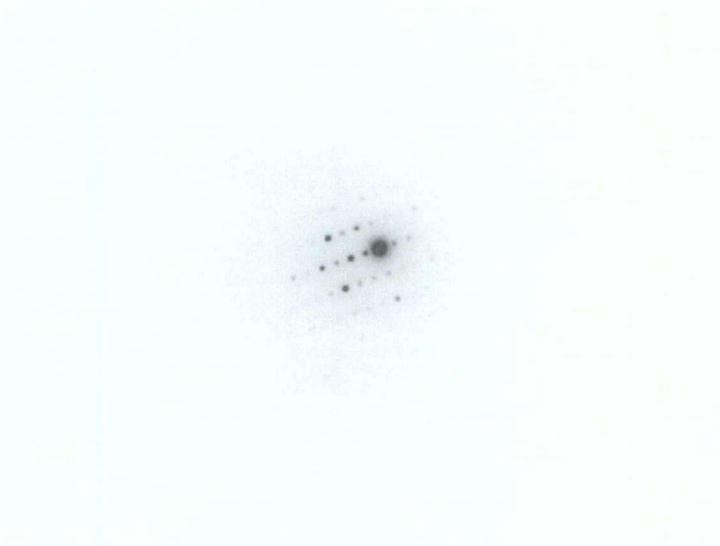
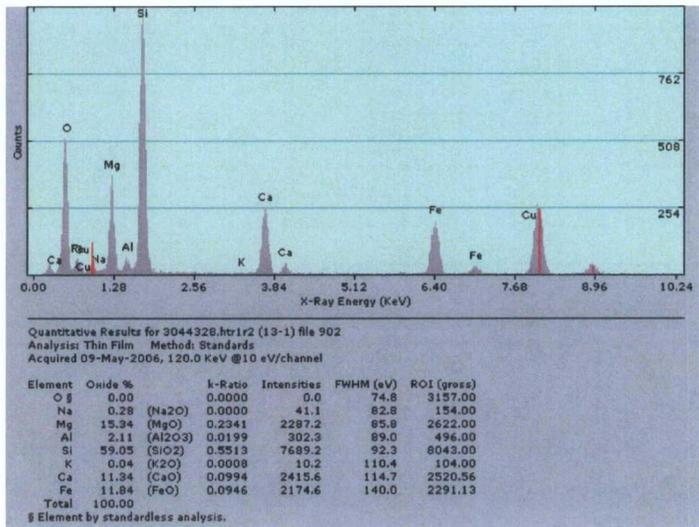
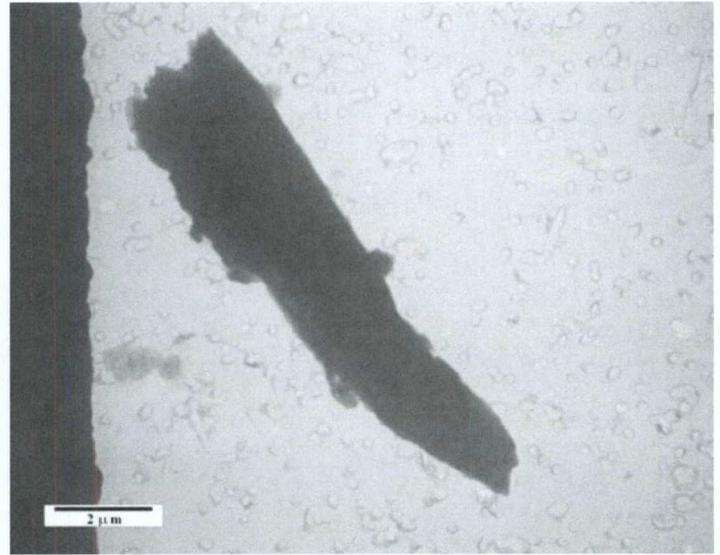
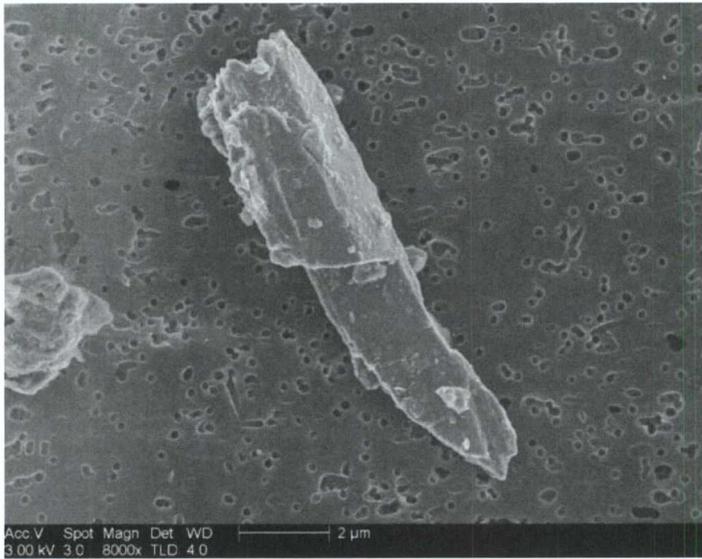


L = 3.2 W = 1 AR = 3:1

No SAED pattern acquired

Mineral category: Unknown

RJLG # 3044328 Field 12, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 12.5 W = 2.1 AR = 6:1

Mineral category: Amphibole

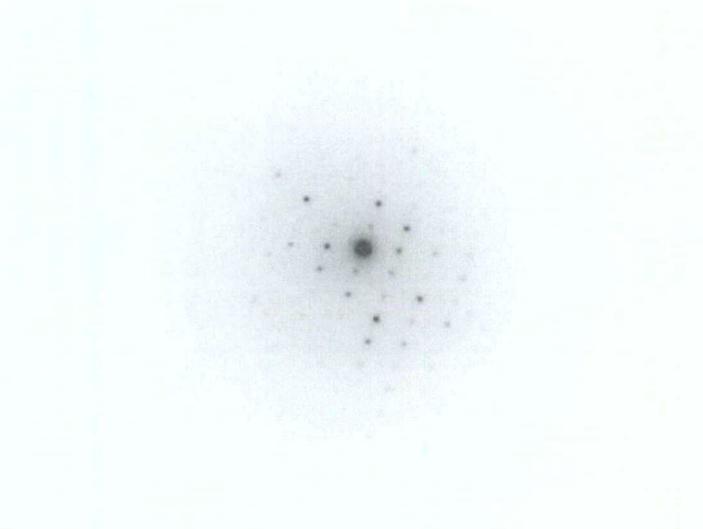
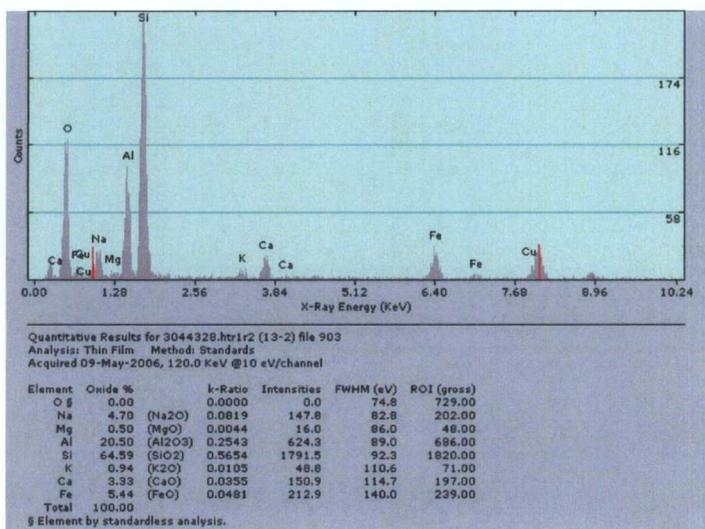
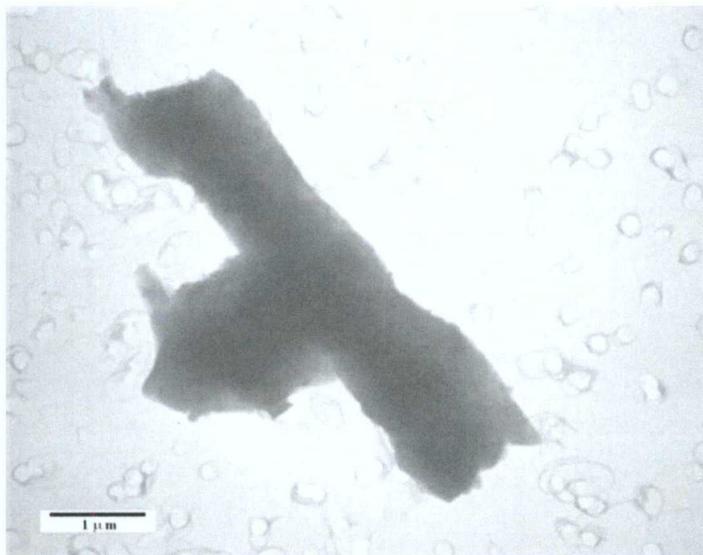
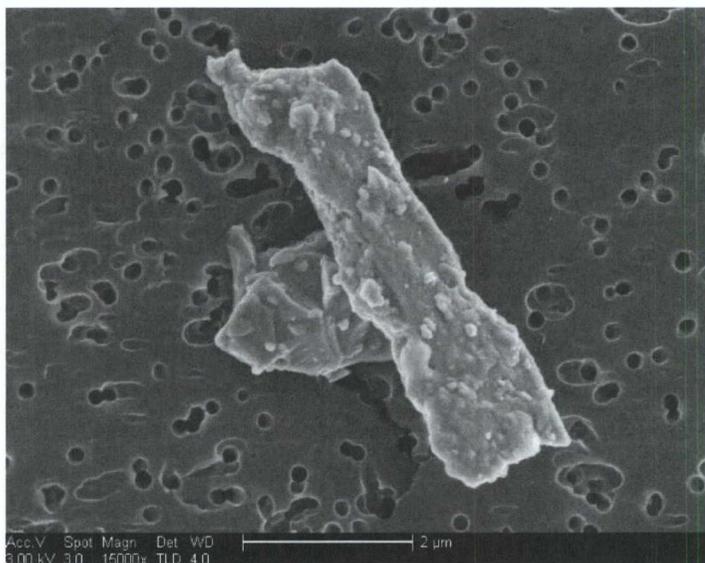
Zone 100

D1 9.29

Phi 89.9

D2 5.27

RJLG # 3044328 Field 13, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

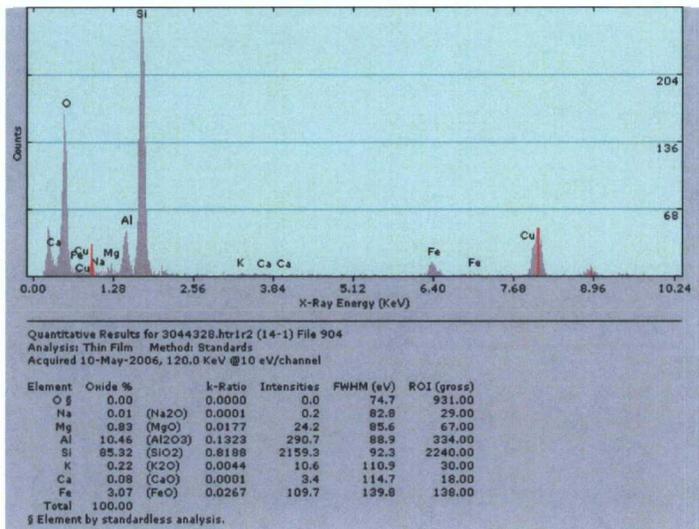
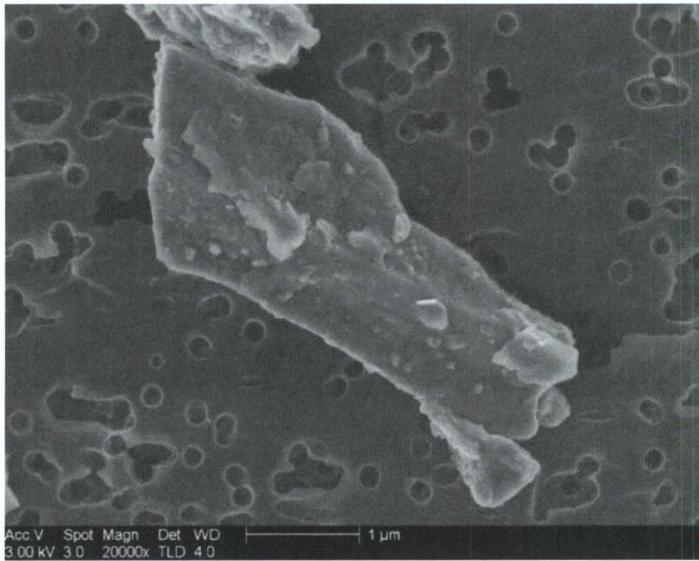


L = 7.15 W = 1 AR = 7:1

Mineral category: Amphibole

Zone	None Found	D1	7.51
Phi	67.1	D2	5.89

RJLG # 3044328 Field 13, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator

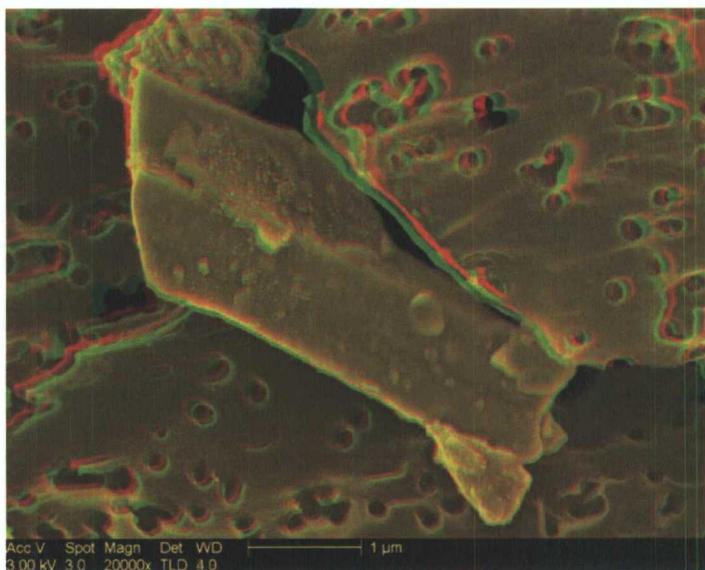


L = 6 W = 1.5 AR = 4:1

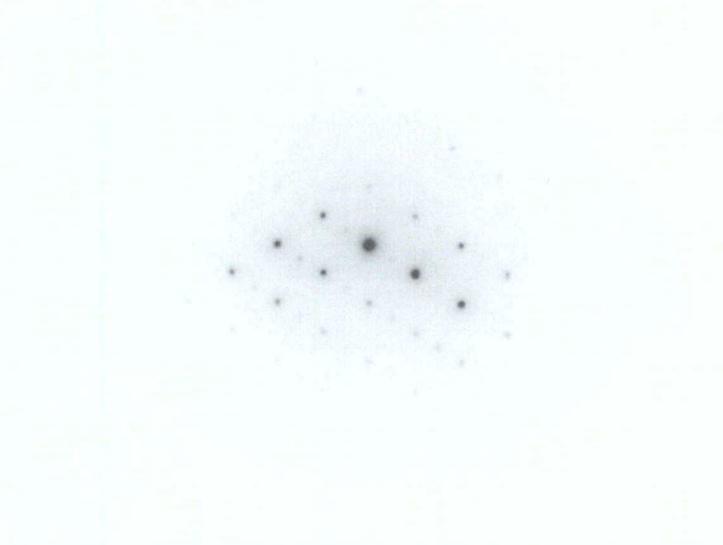
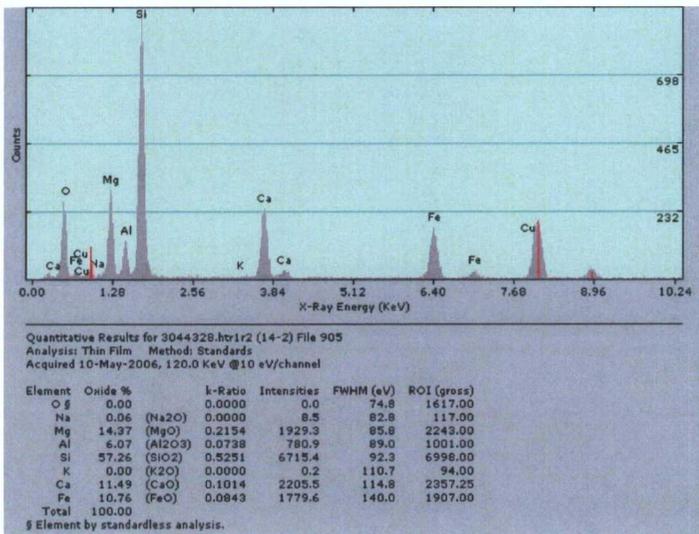
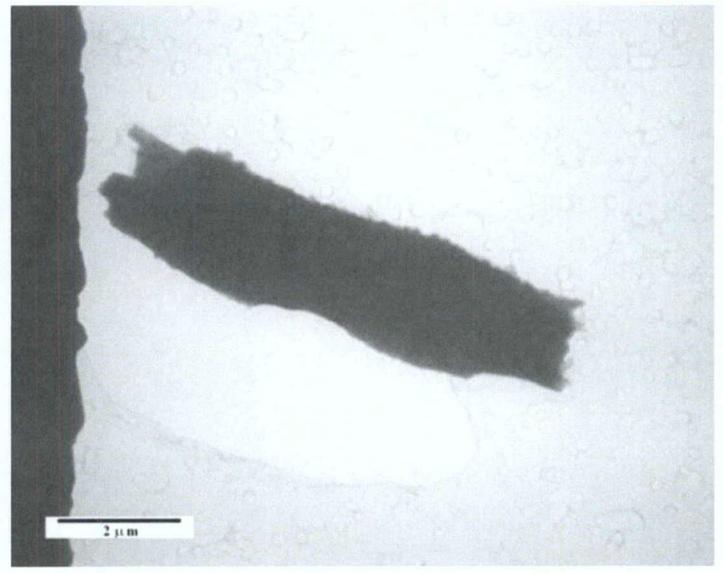
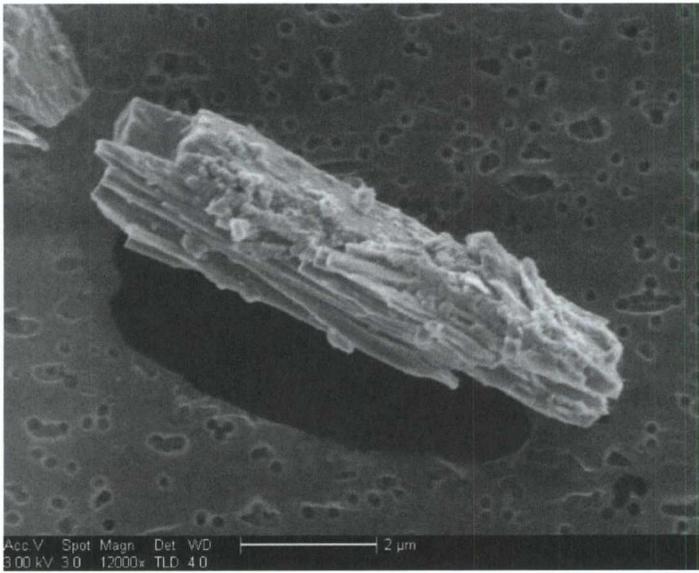
Mineral category: Clay/Mica

Zone	None Found	D1	4.76
Phi	73	D2	3.86

RJLG # 3044328 Field 14, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



RJLG # 3044328 Field 14, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



L = 10 W = 2.5 AR = 4:1

Mineral category: Amphibole

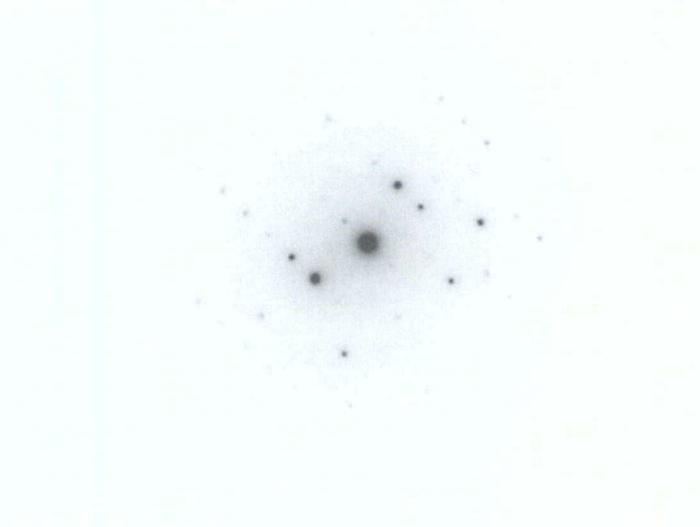
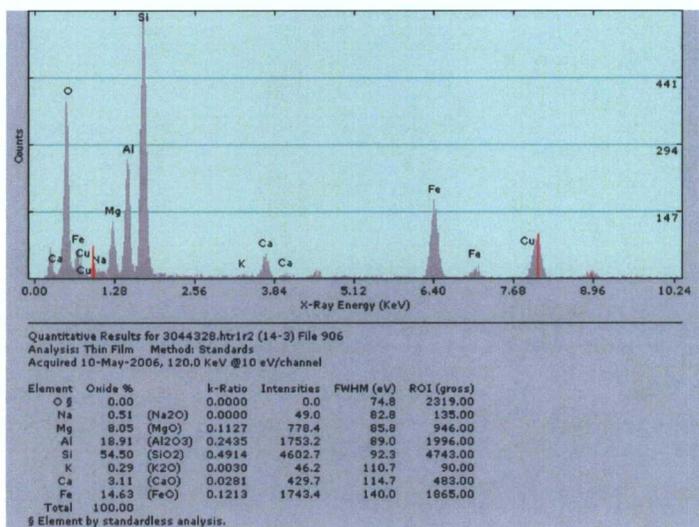
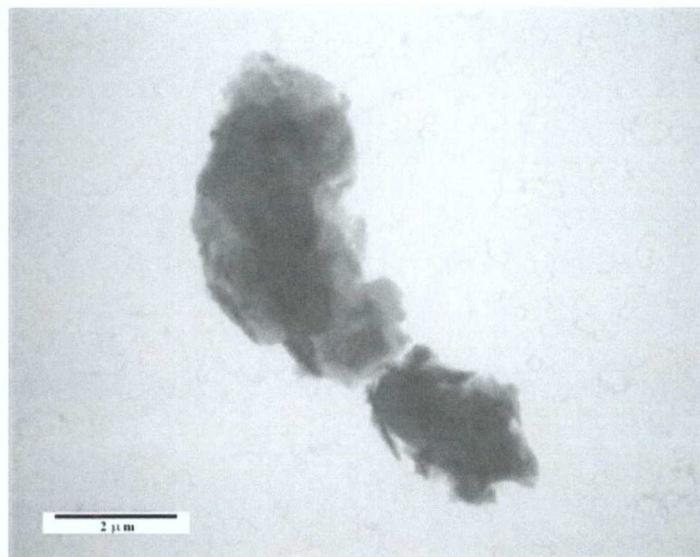
Zone 5-32

D1 5.19

Phi 85.5

D2 2.9

RJLG # 3044328 Field 14, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator

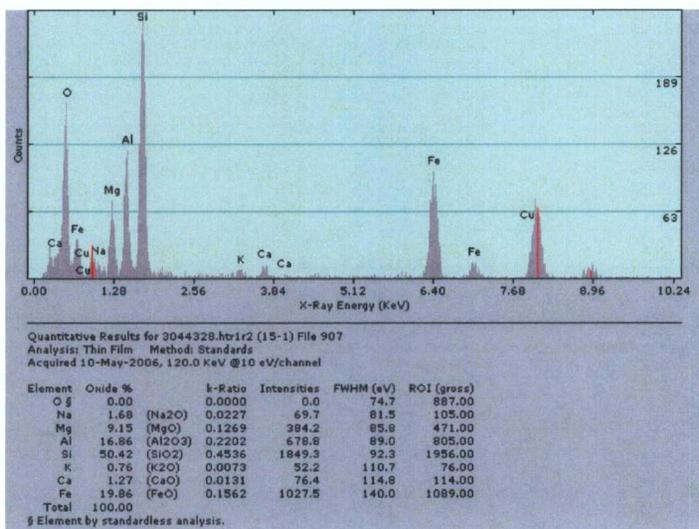
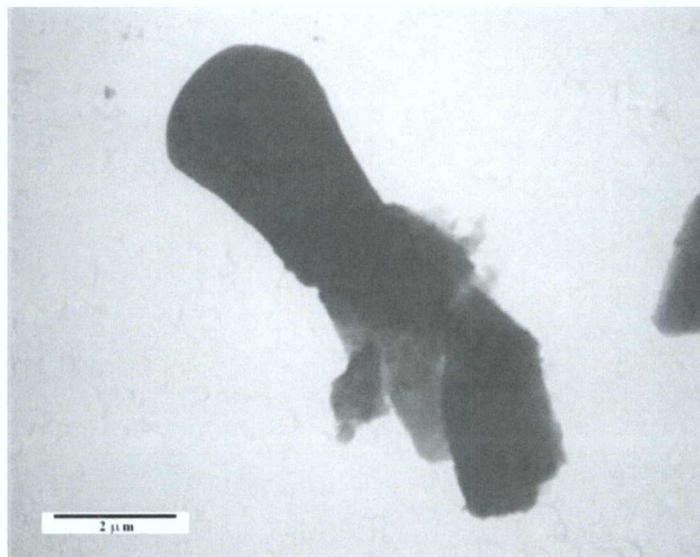
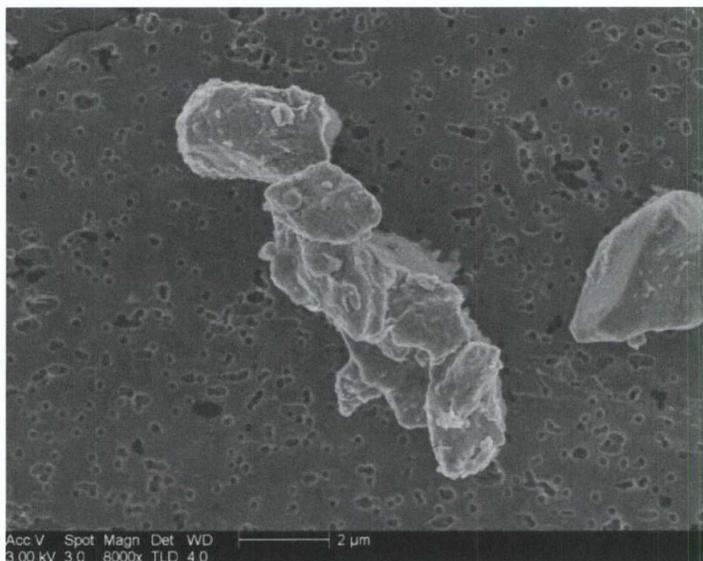


L = 10.1 W = 1.75 AR = 6:1

Mineral category: Clay/Mica

Zone None Found D1 4.39
 Phi 72.8 D2 4.34

RJLG # 3044328 Field 14, Fiber 3
 NFB-SS04-100804-FG2 -- Elutriator

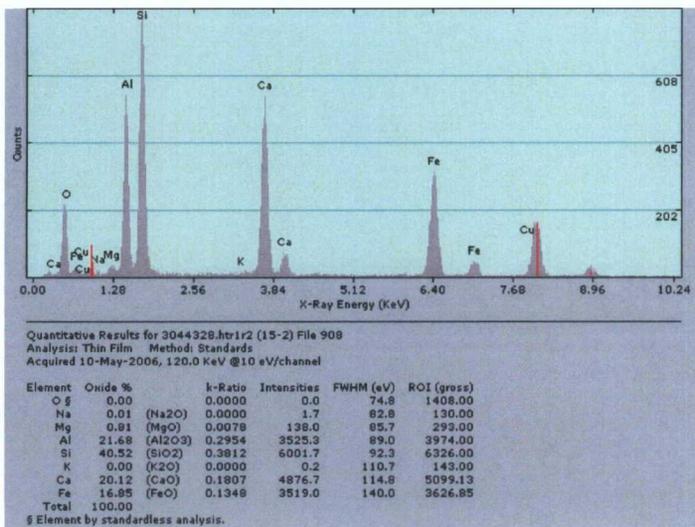
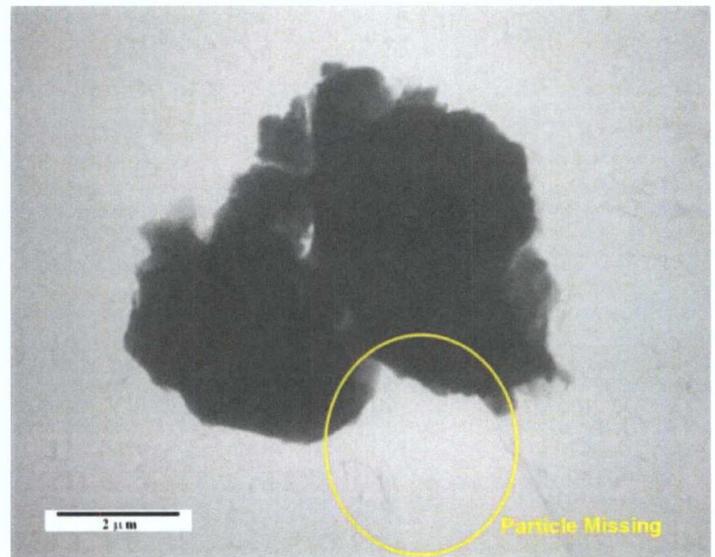
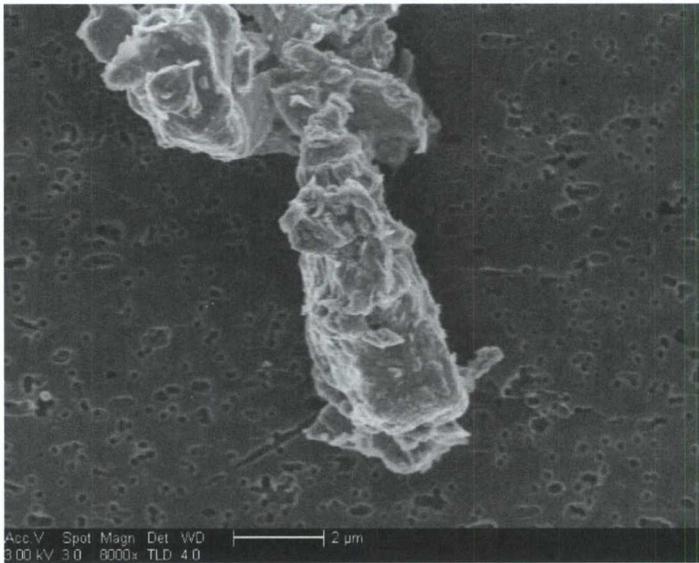


L = 10 W = 2.5 AR = 4:1

No SAED pattern acquired

Mineral category: Garnet

RJLG # 3044328 Field 15, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

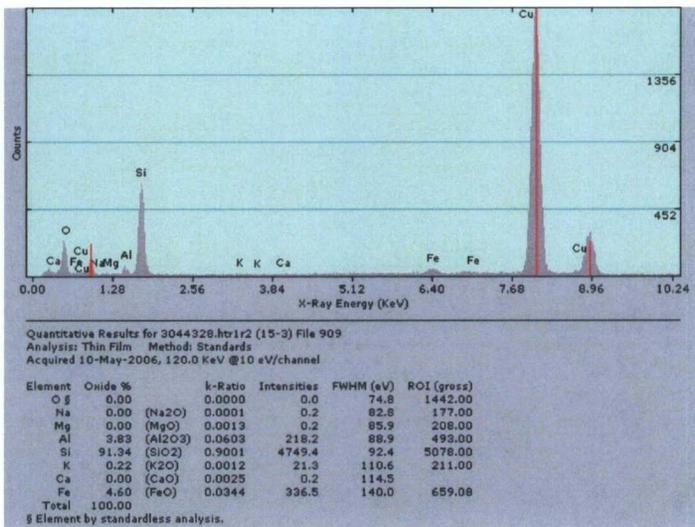
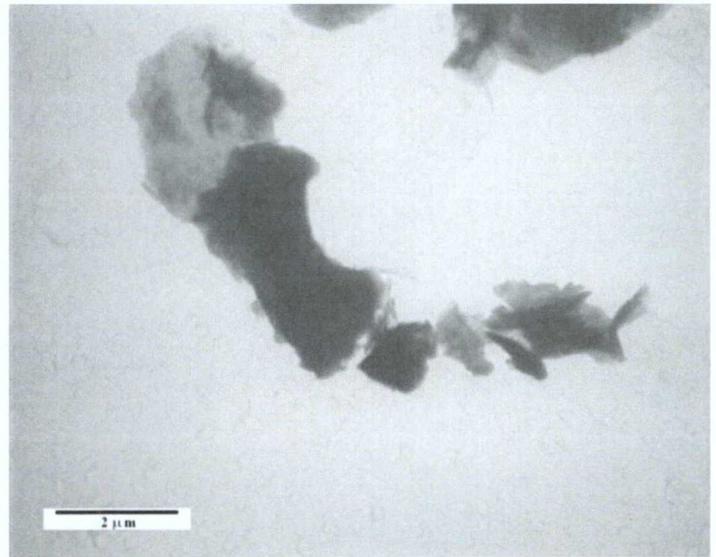
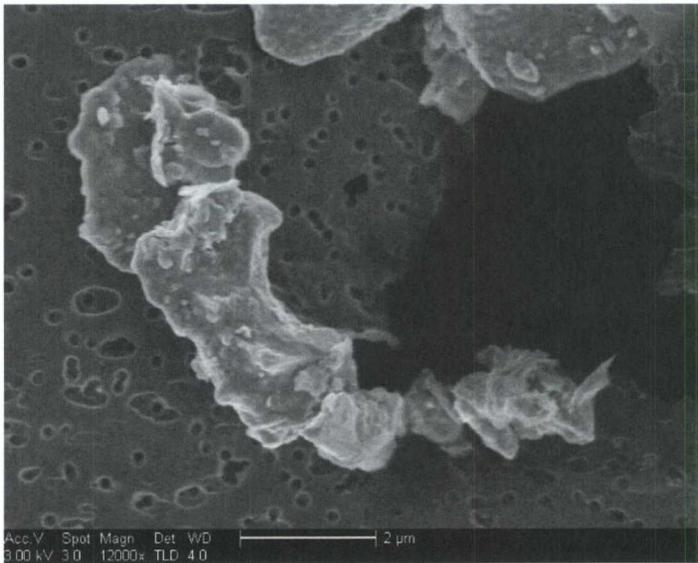


L = 4 W = 3.5 AR = 1:1

Mineral category: Clay/Mica

No SAED pattern acquired

RJLG # 3044328 Field 15, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator

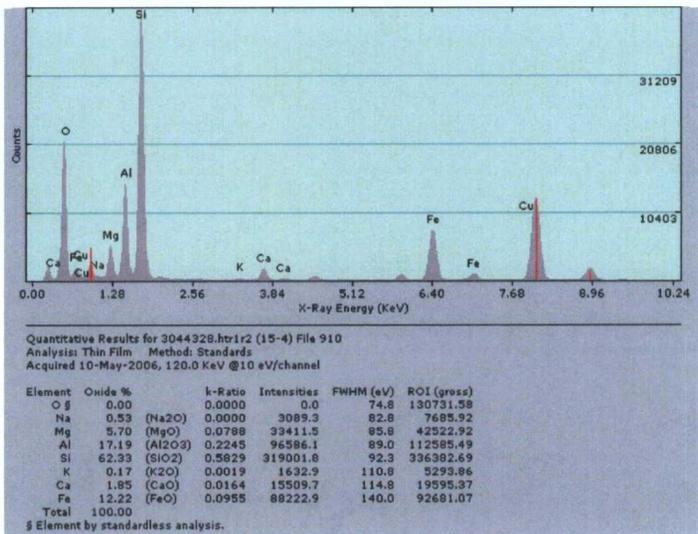
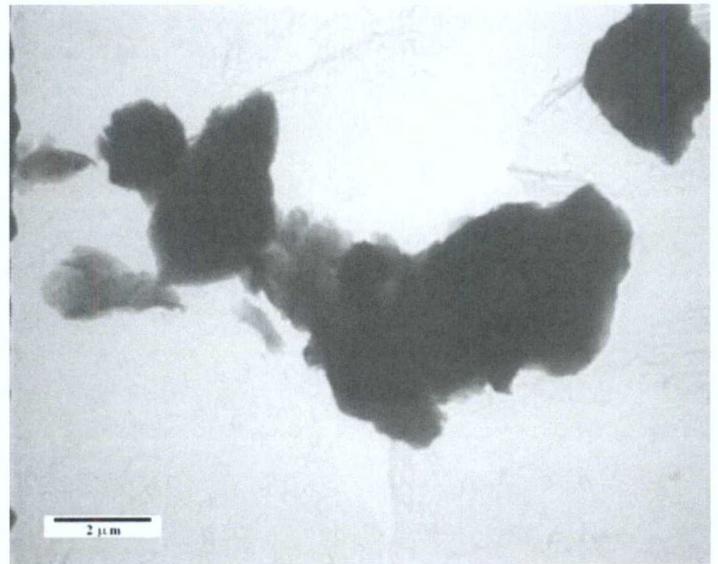
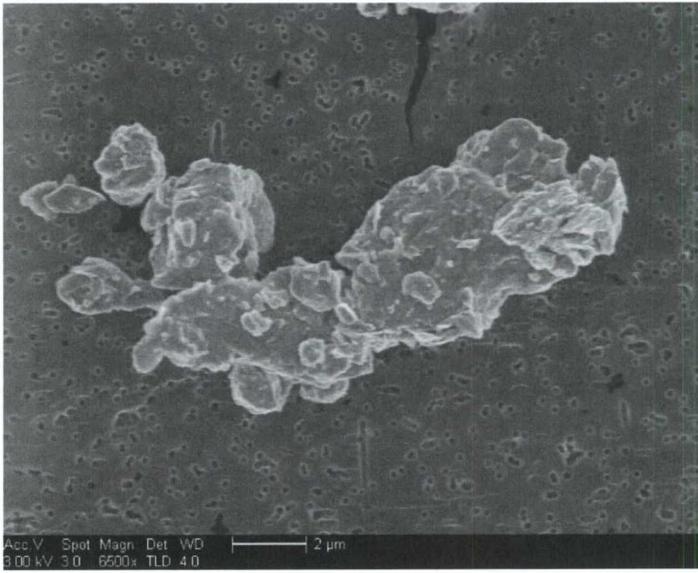


L = 7.5 W = 1.65 AR = 5:1

No SAED pattern acquired

Mineral category: Unknown

RJLG # 3044328 Field 15, Fiber 3
 NFB-SS04-100804-FG2 -- Elutriator

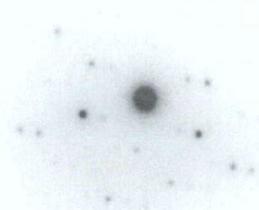
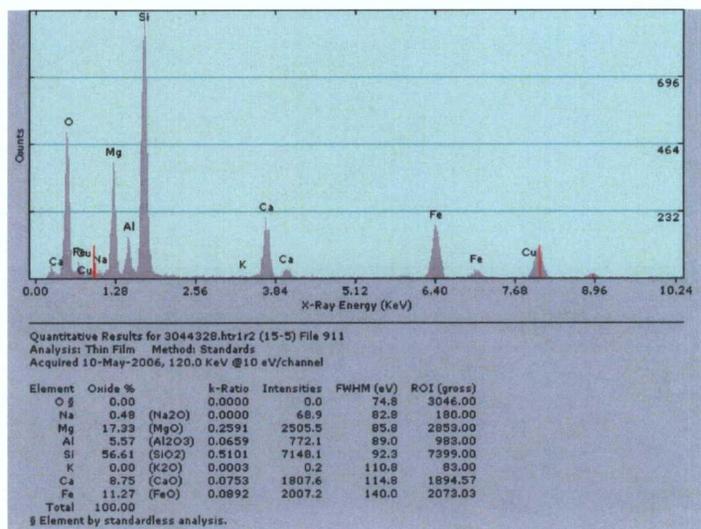
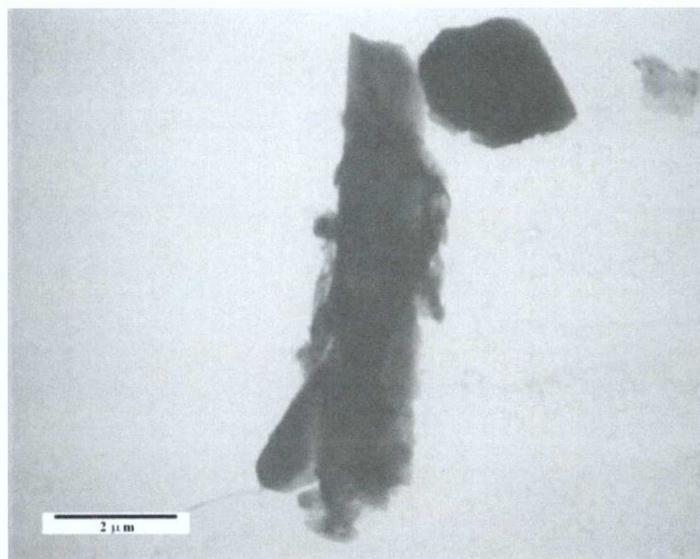
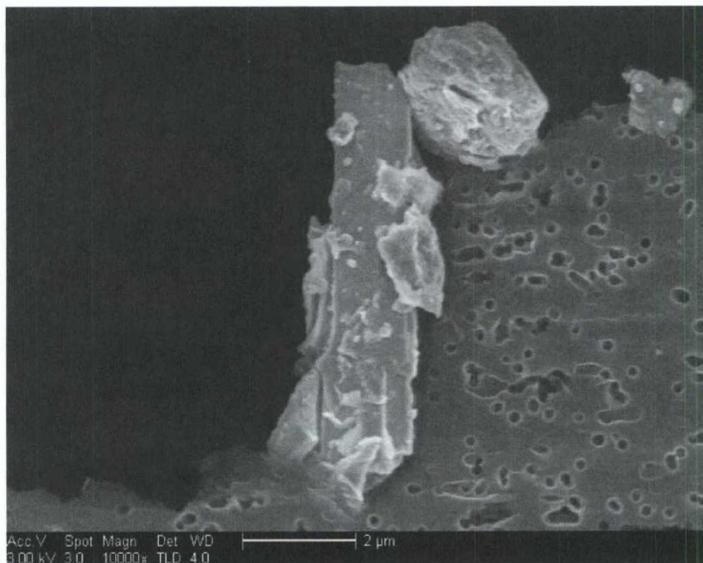


L = 16.5 W = 4 AR = 4:1

No SAED pattern acquired

Mineral category: Amphibole

RJLG # 3044328 Field 15, Fiber 4
 NFB-SS04-100804-FG2 -- Elutriator

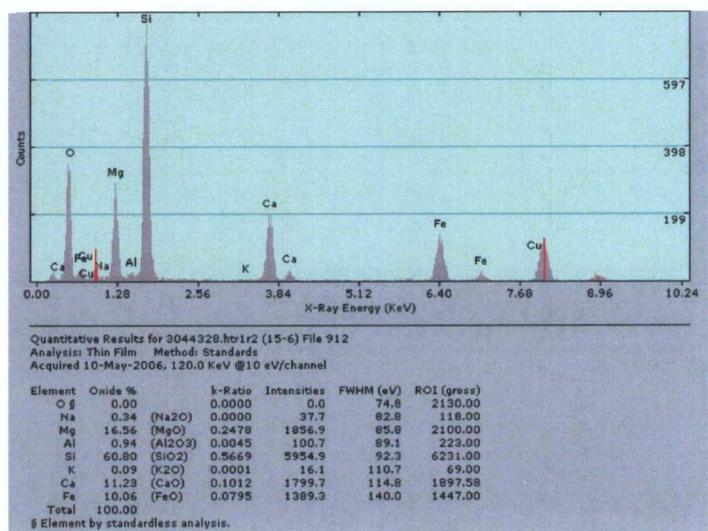
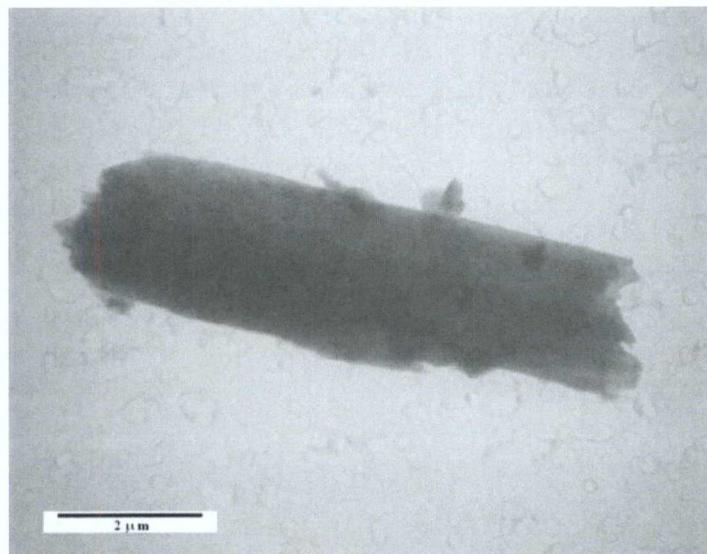
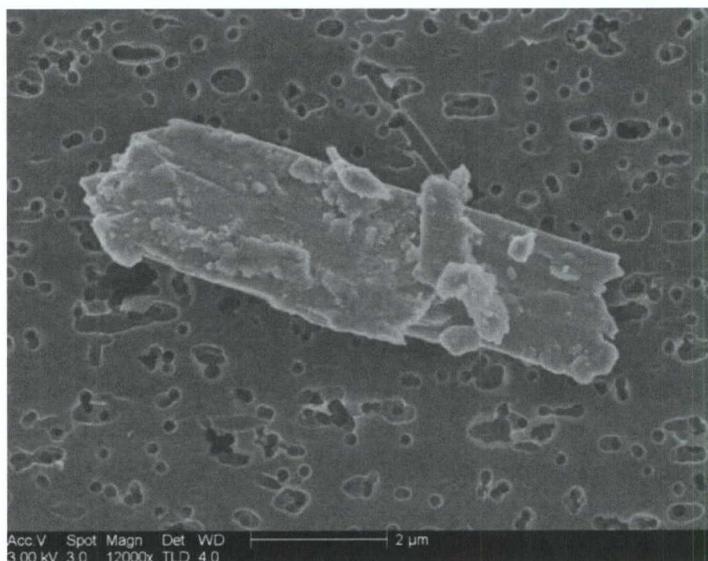


L = 10 W = 1.65 AR = 6:1

Mineral category: Unknown

Zone	210	D1	7.23
Phi	89.2	D2	5.37

RJLG # 3044328 Field 15, Fiber 5
 NFB-SS04-100804-FG2 -- Elutriator

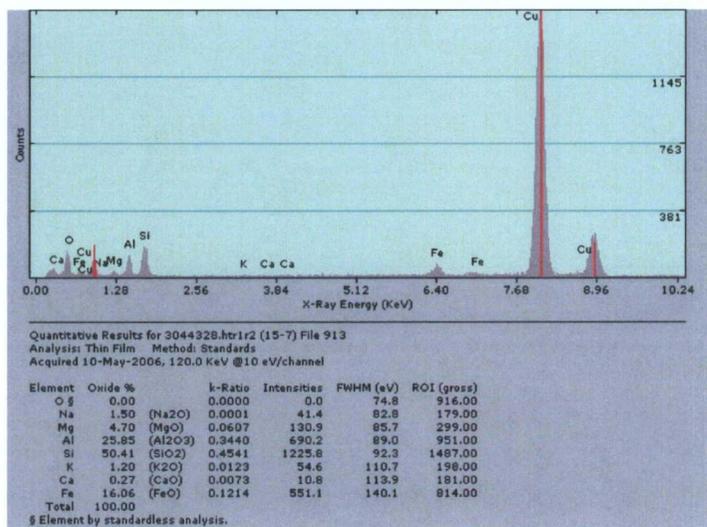
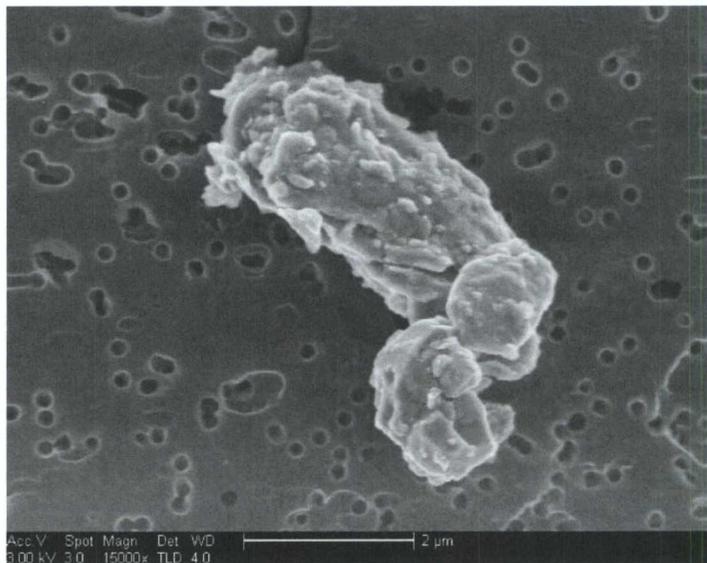


L = 10.5 W = 2.6 AR = 4:1

Mineral category: Amphibole

Zone 101 **D1** 9.24
Phi 75.5 **D2** 5.04

RJLG # 3044328 Field 15, Fiber 6
 NFB-SS04-100804-FG2 -- Elutriator

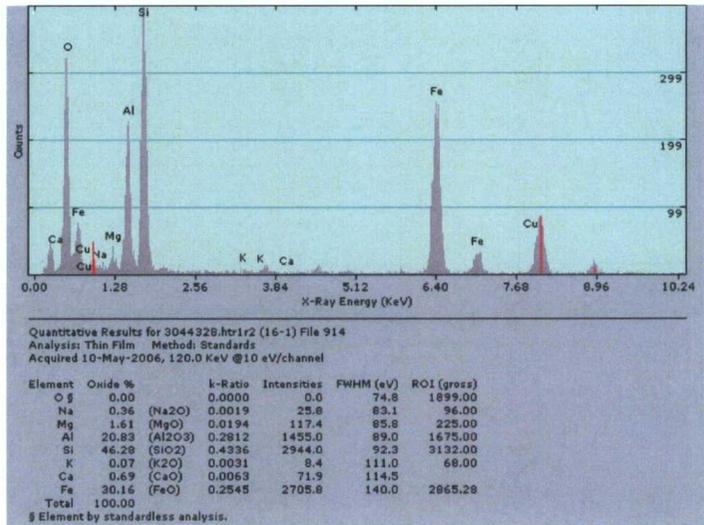
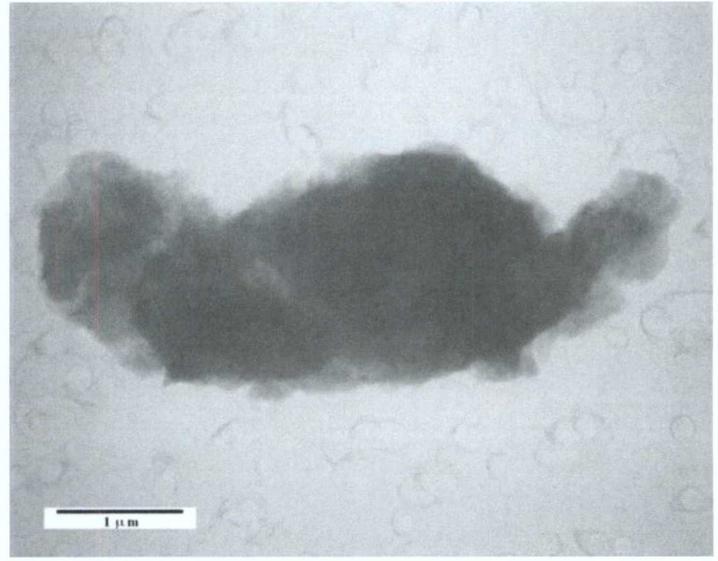
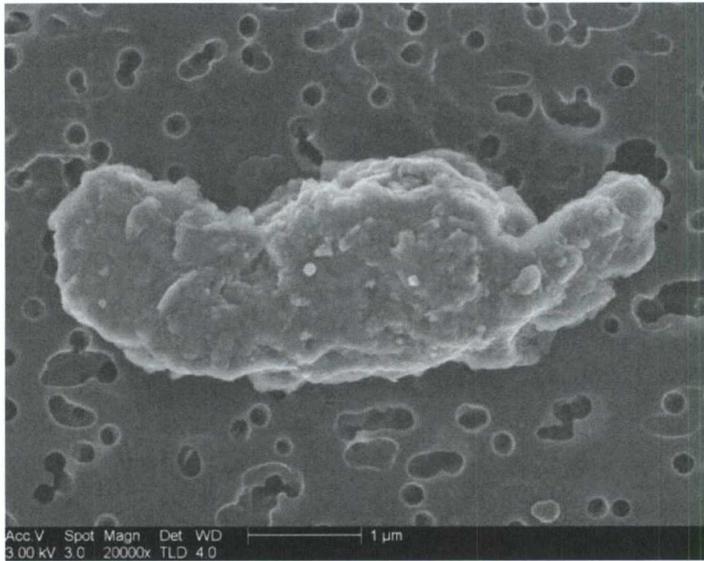


L = 7.5 W = 1.6 AR = 5:1

Mineral category: Clay/Mica

No SAED pattern acquired

RJLG # 3044328 Field 15, Fiber 7
 NFB-SS04-100804-FG2 -- Elutriator

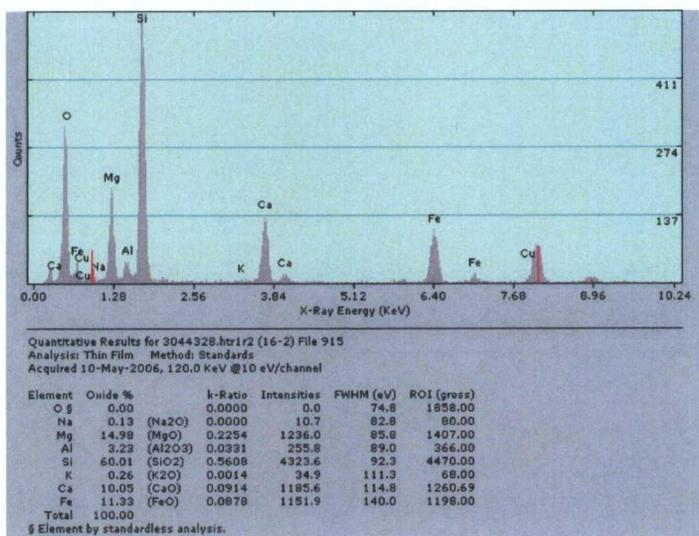
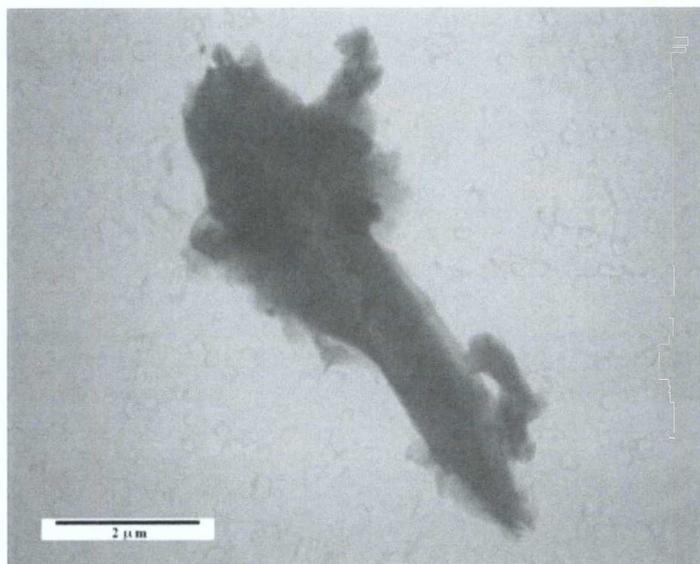
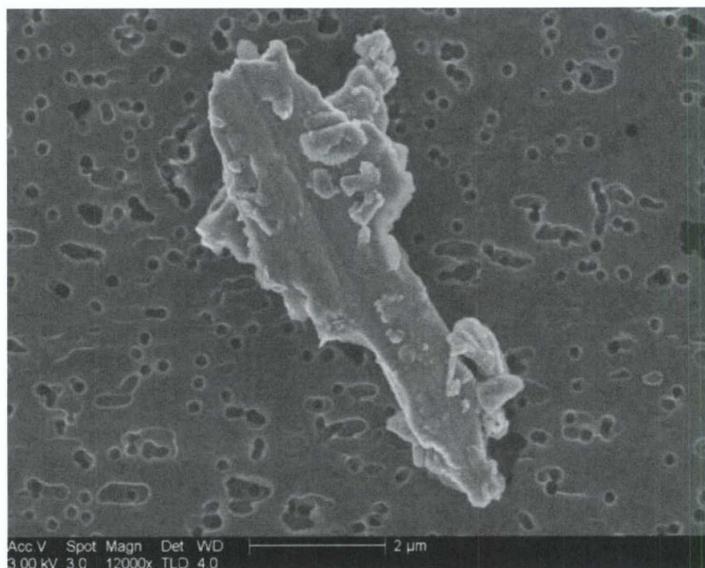


L = 6.25 W = 1.75 AR = 4:1

Mineral category: Clay/Mica

No SAED pattern acquired

RJLG # 3044328 Field 16, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 8.5 W = 1.5 AR = 6:1

Mineral category: Amphibole

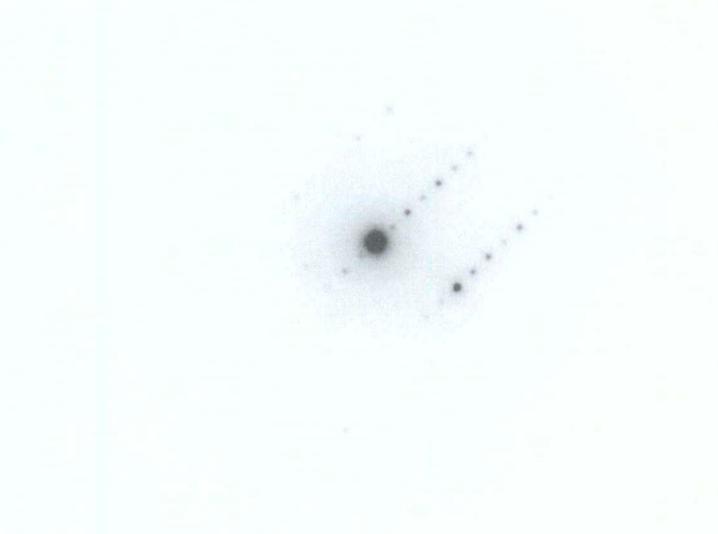
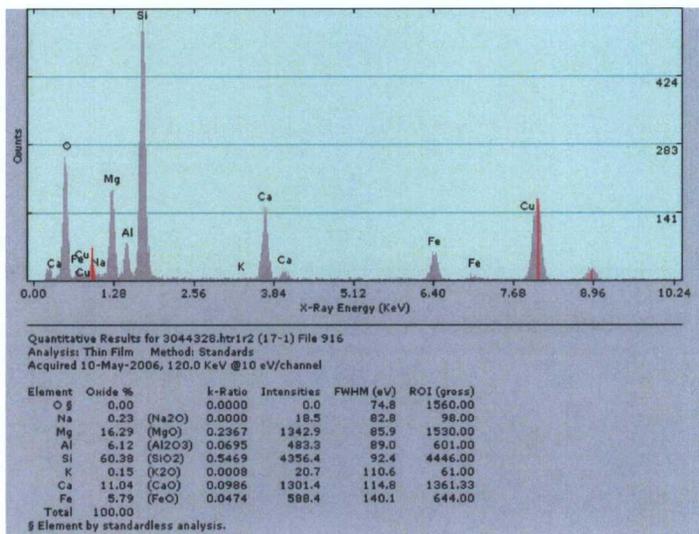
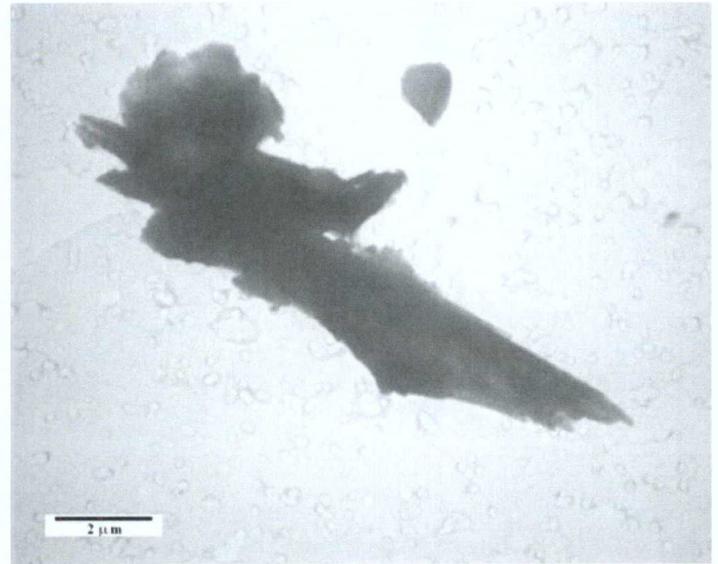
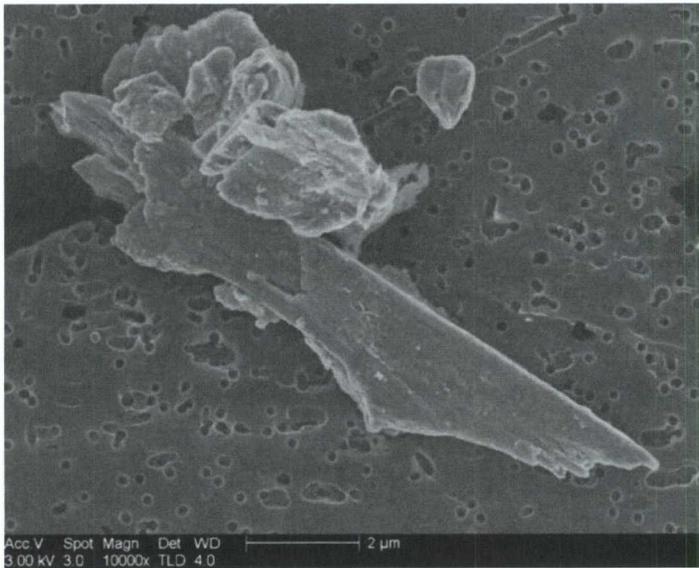
Zone 210

D1 5

Phi 81.4

D2 3.5

RJLG # 3044328 Field 16, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 13.4 W = 2.1 AR = 6:1

Mineral category: Pyroxene

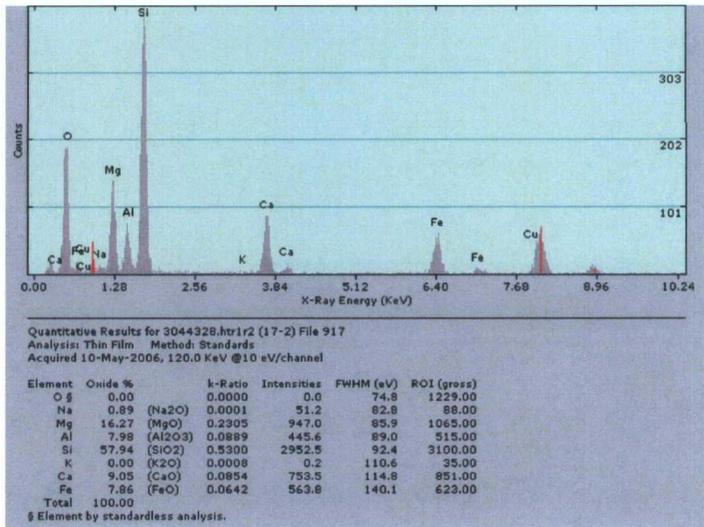
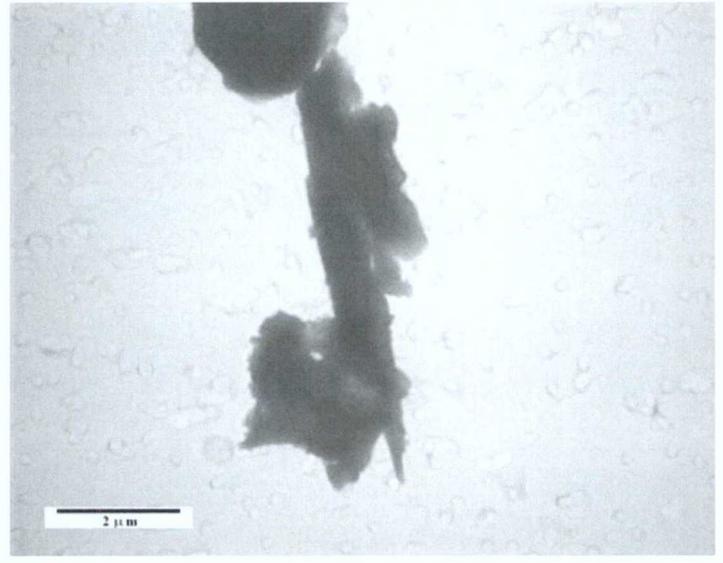
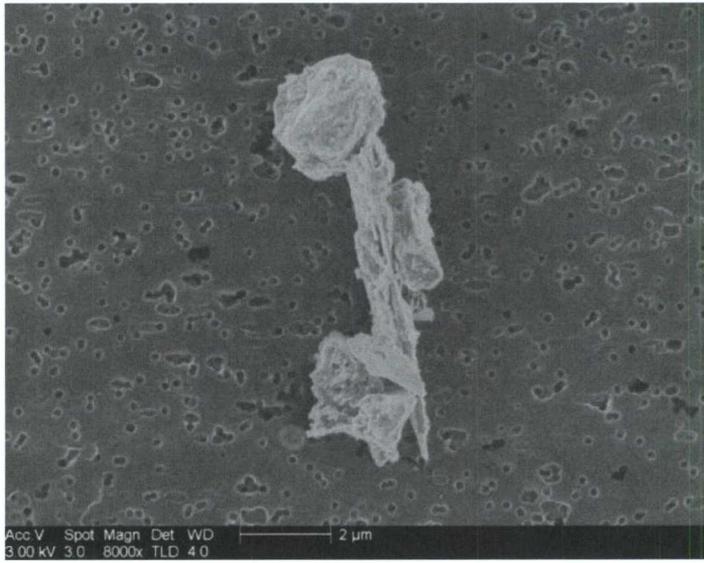
Zone 33-2

D1 6.57

Phi 85.3

D2 1.6

RJLG # 3044328 Field 17, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

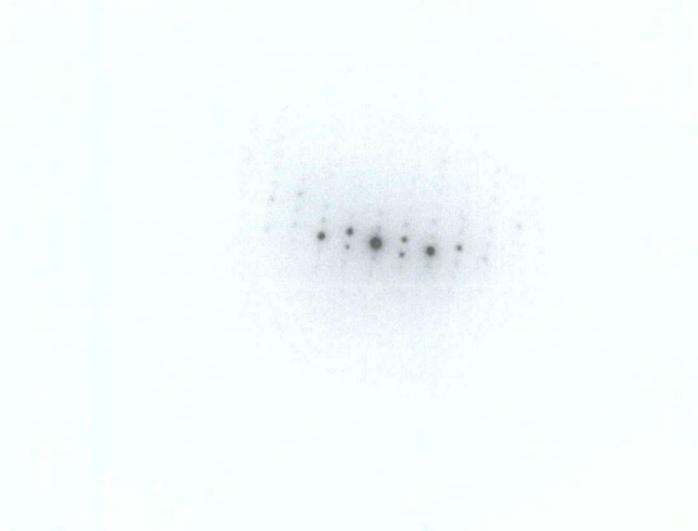
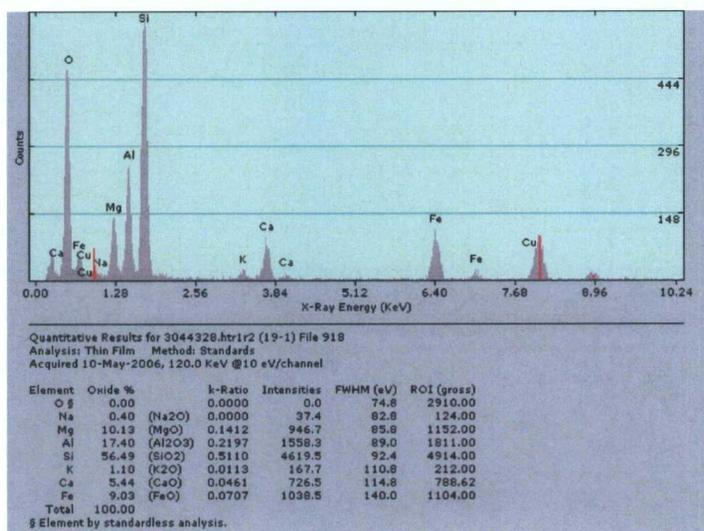
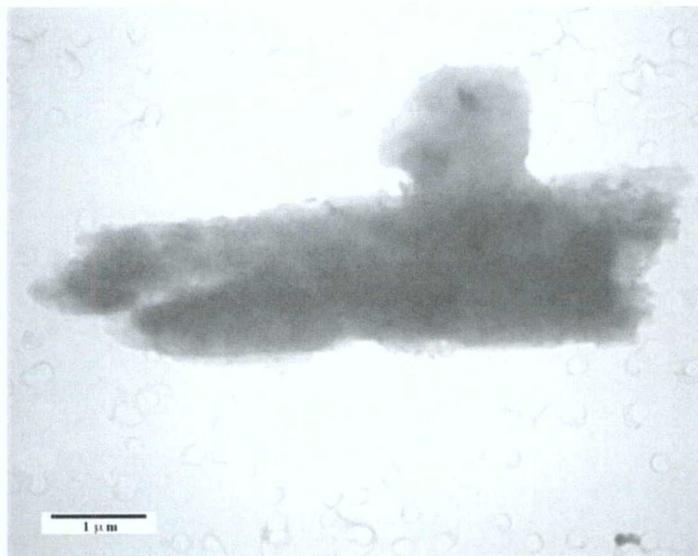
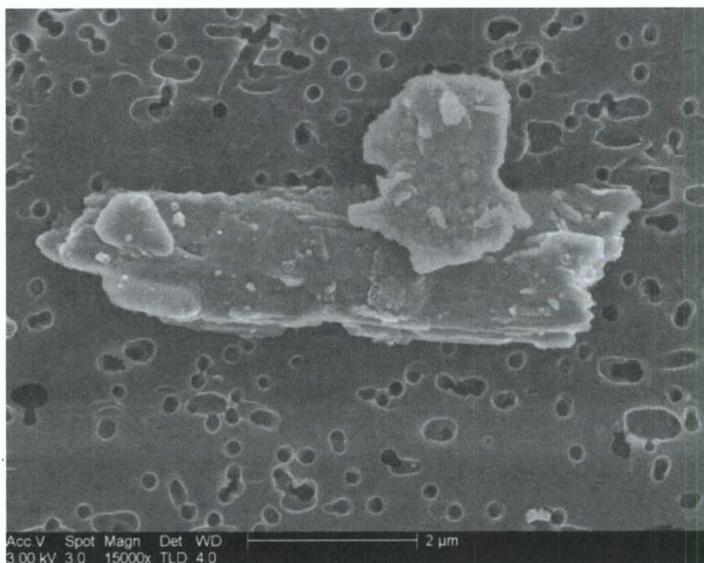


L = 7.9 W = .8 AR = 10:1

Mineral category: Amphibole

Zone	112	D1	8.62
Phi	82.7	D2	5.02

RJLG # 3044328 Field 18, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

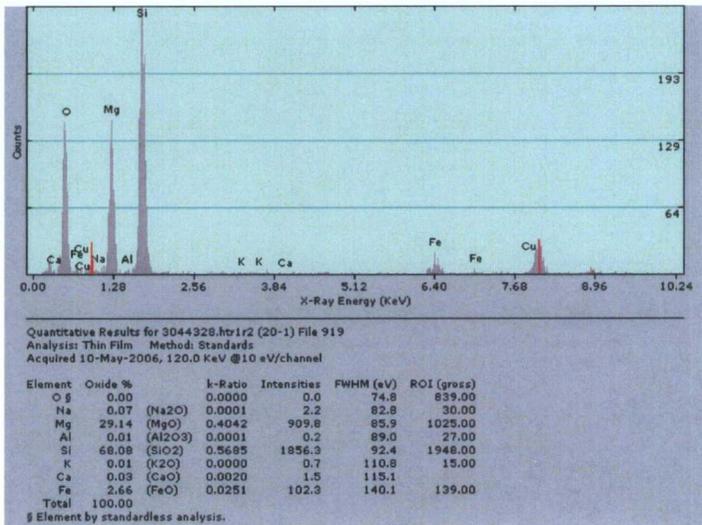
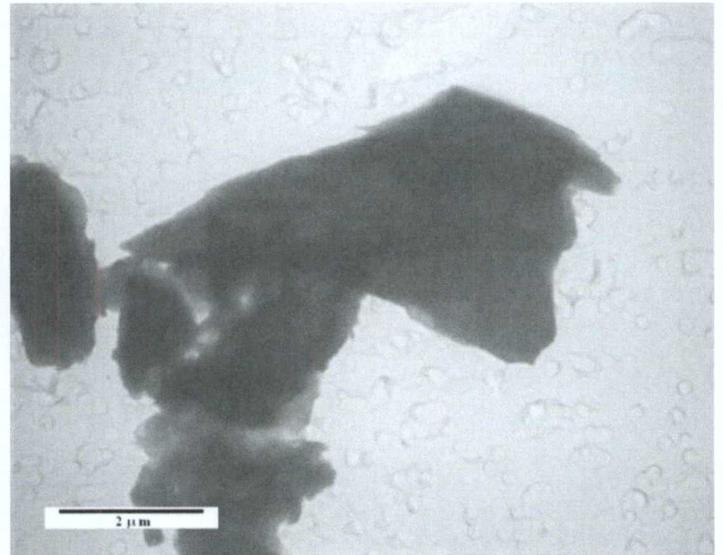


L = 8.25 W = 1.5 AR = 6:1

Mineral category: Amphibole

Zone	101	D1	9.2
Phi	74.7	D2	4.93

RJLG # 3044328 Field 19, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

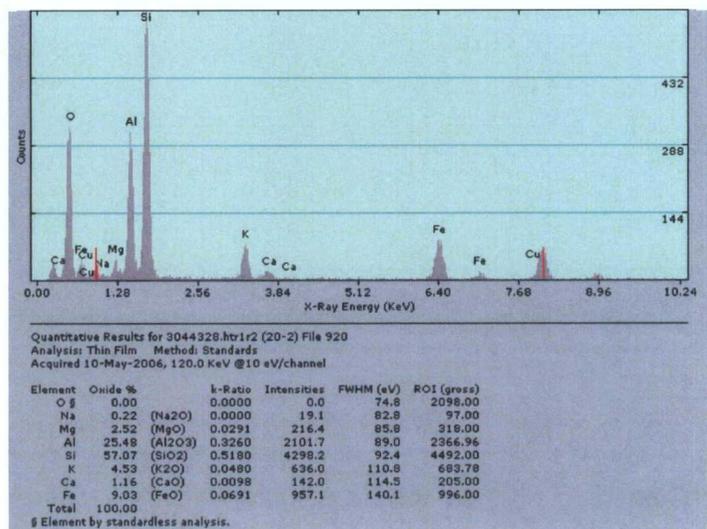
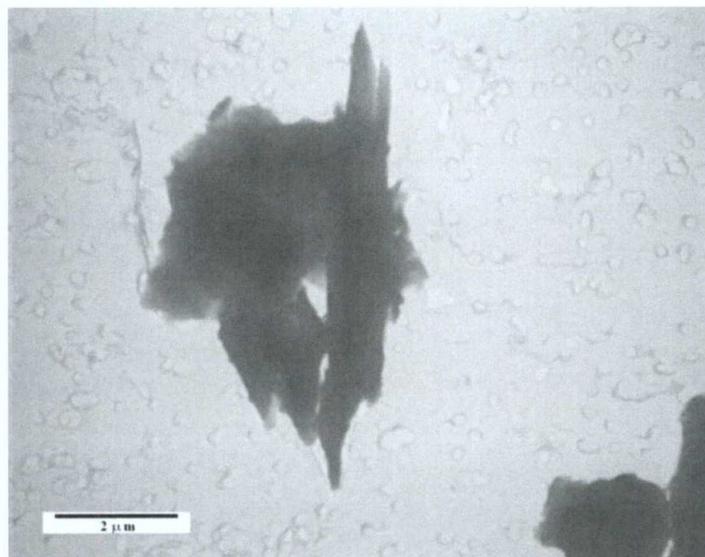
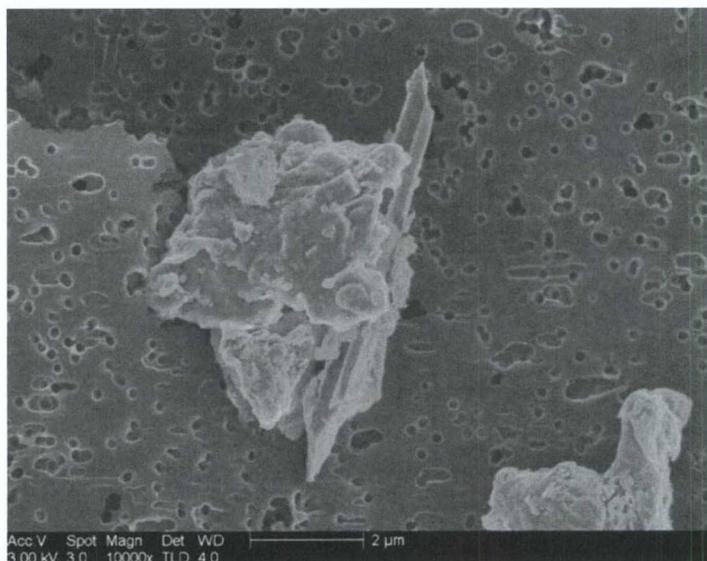


L = 7.8 W = 2.5 AR = 3:1

No SAED pattern acquired

Mineral category: Amphibole

RJLG # 3044328 Field 20, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

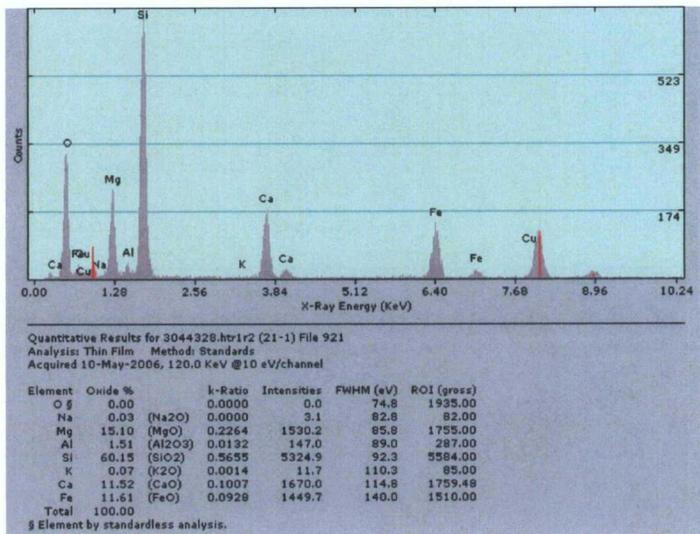
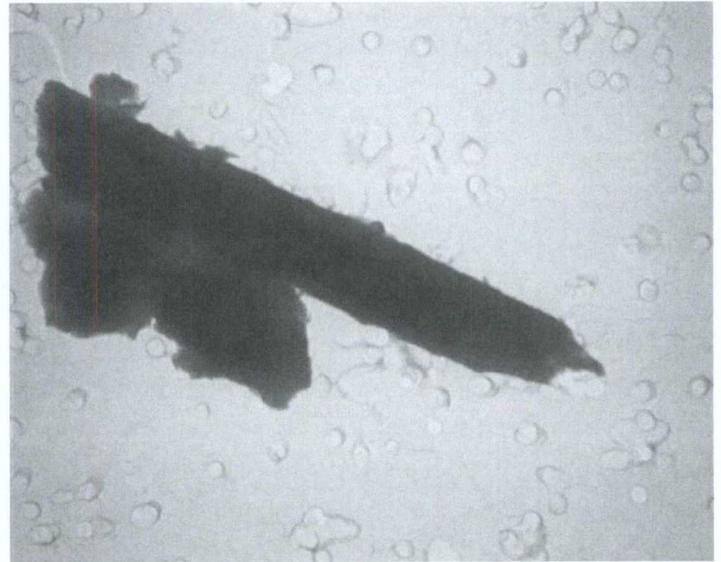
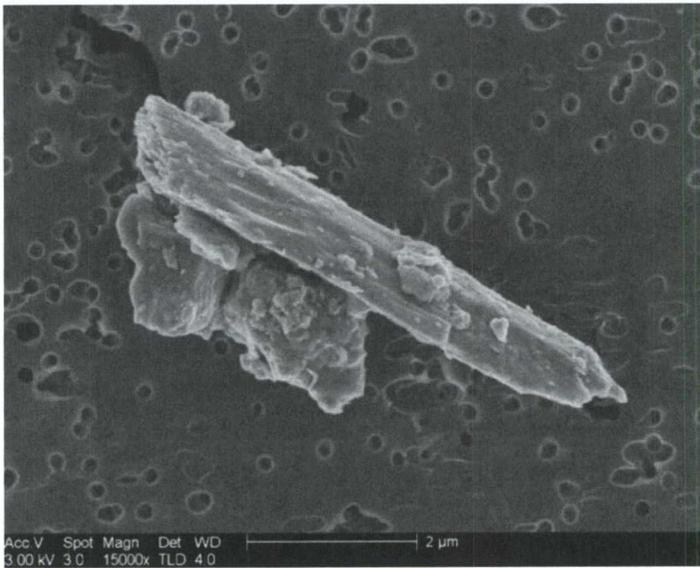


L = 8 W = 1.1 AR = 7:1

Mineral category: Unknown

SAED not measured

RJLG # 3044328 Field 20, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 8 W = 1 AR = 8:1

Mineral category: Amphibole

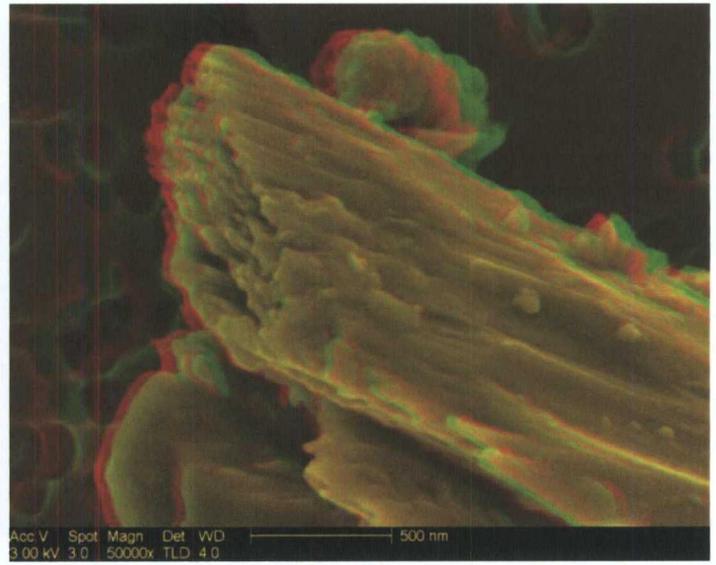
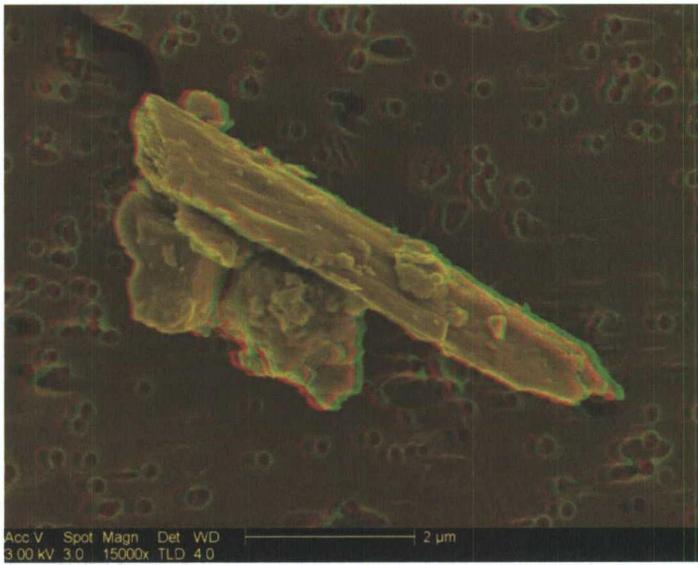
Zone 110

D1 8.47

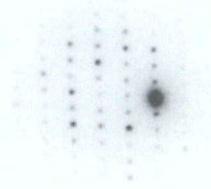
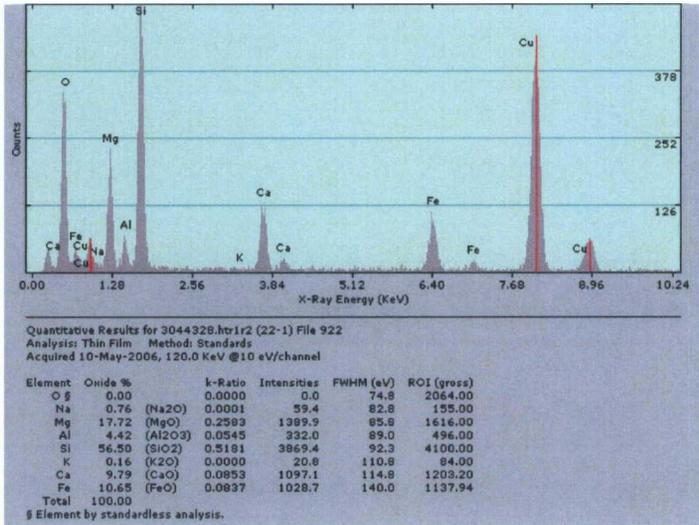
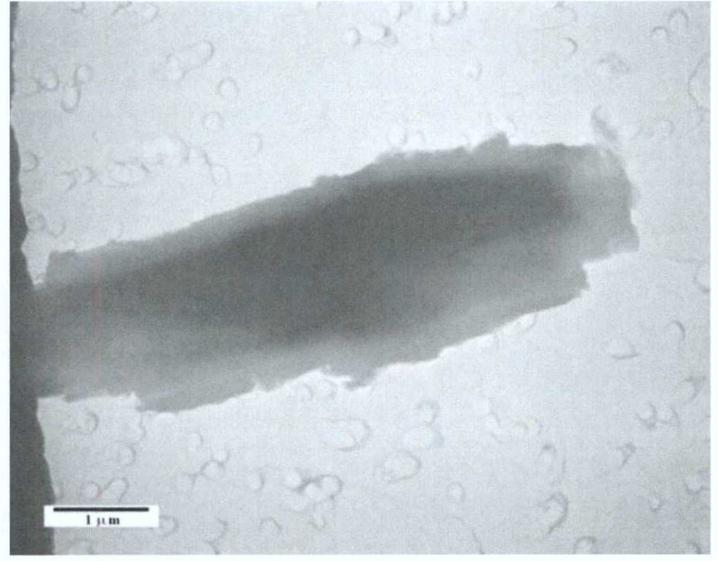
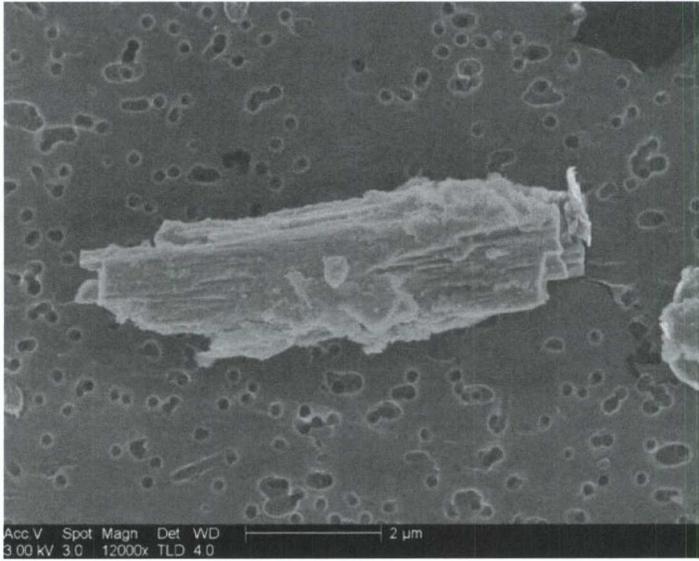
Phi 77.4

D2 5.15

RJLG # 3044328 Field 21, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



RJLG # 3044328 Field 21, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



L = 8 W = 1.95 AR = 4:1

Mineral category: Amphibole

Zone	112	D1	8.62
Phi	83.7	D2	5.08

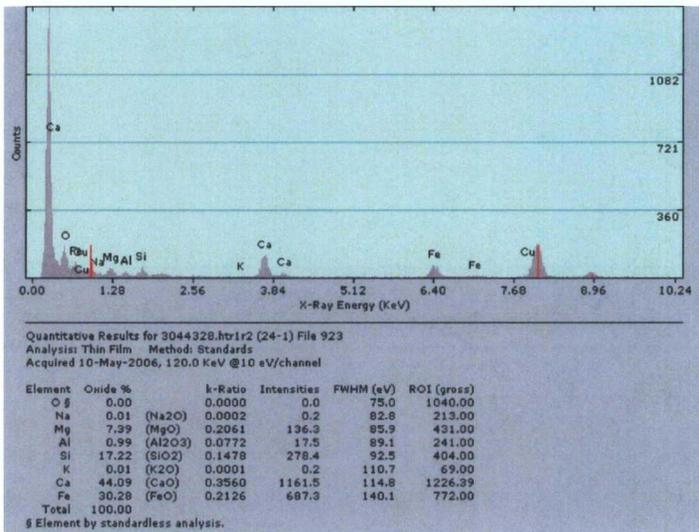
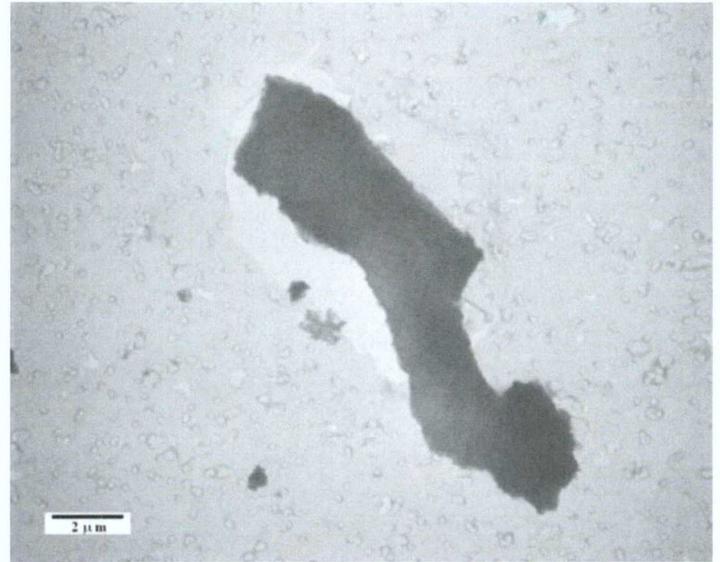
RJLG # 3044328 Field 22, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



TEM could not relocate

Mineral category: Unknown

RJLG # 3044328 Field 23, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator

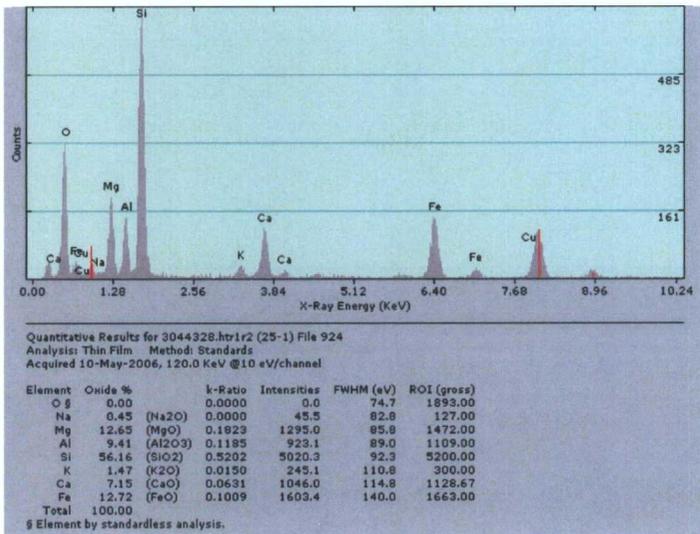
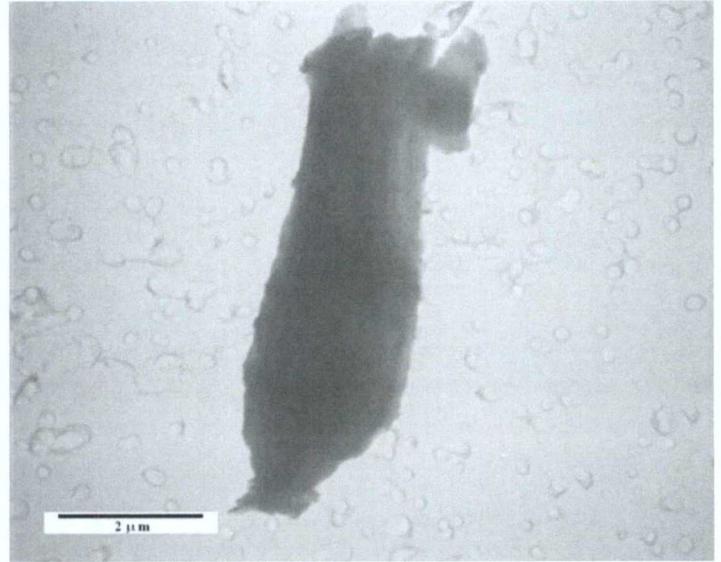
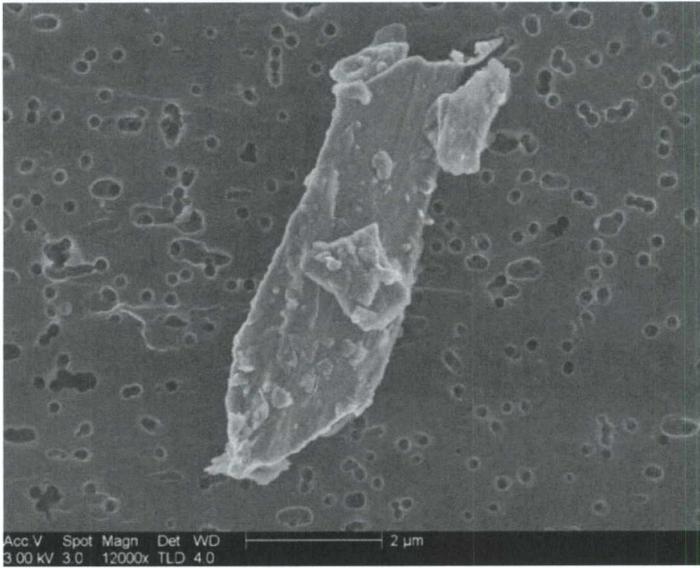


L = 16.25 W = 3.25 AR = 5:1

No SAED pattern acquired

Mineral category: Pyroxene

RJLG # 3044328 Field 24, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 8.5 W = 2.5 AR = 3:1

Mineral category: Amphibole

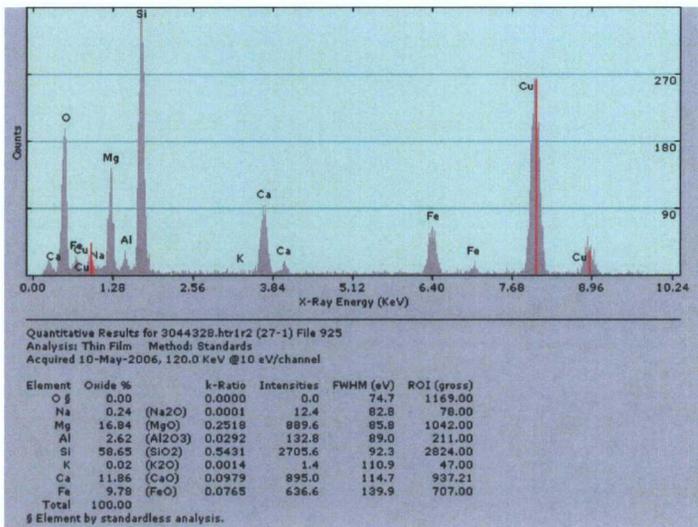
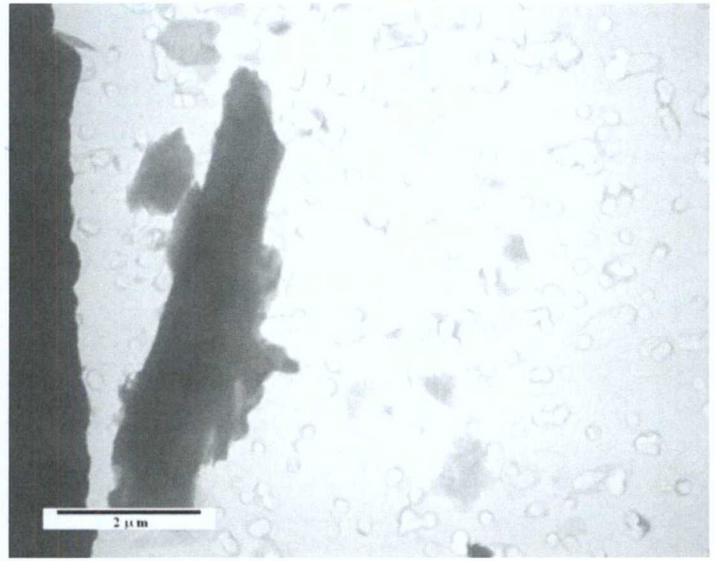
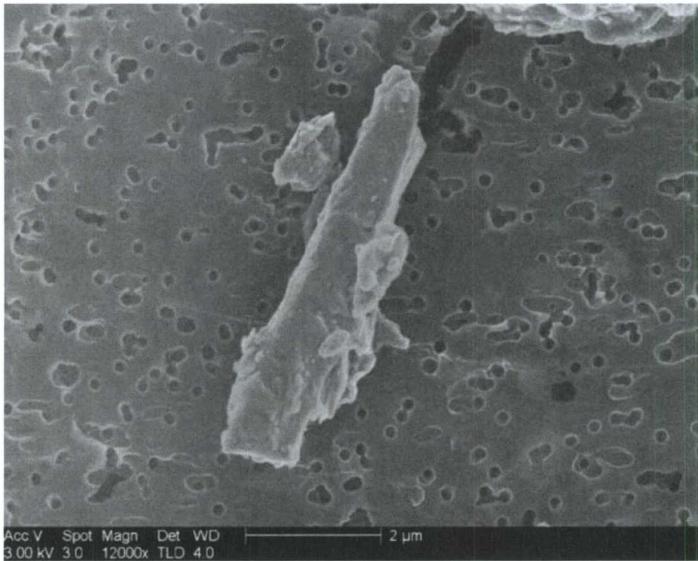
Zone 201

D1 9.24

Phi 82.7

D2 2.71

RJLG # 3044328 Field 25, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 7.25 W = 1.5 AR = 5:1

Mineral category: Amphibole

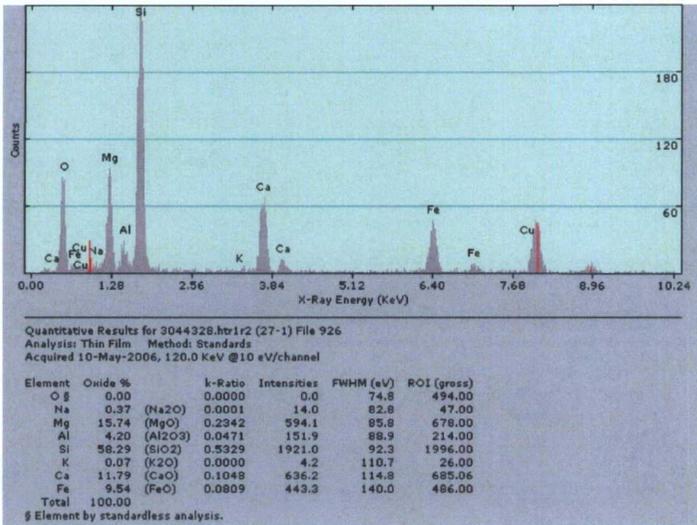
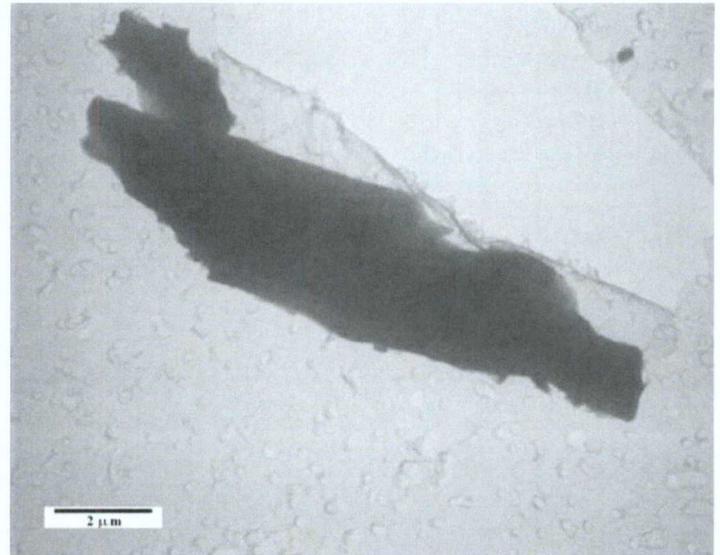
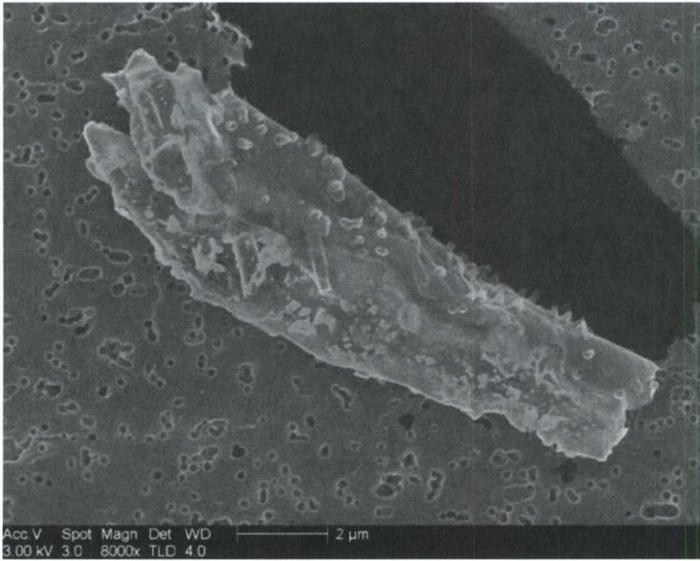
Zone 33-2

Phi 87

D1 8.61

D2 1.7

RJLG # 3044328 Field 26, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 14.5 W = 2.5 AR = 6:1

Mineral category: Amphibole

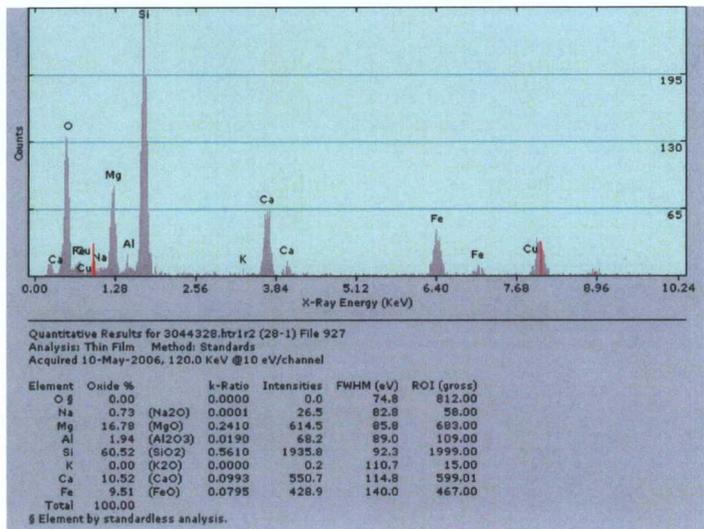
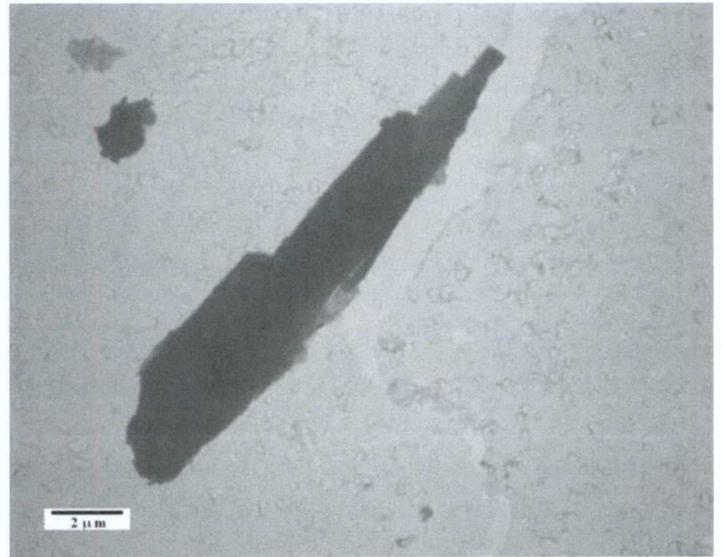
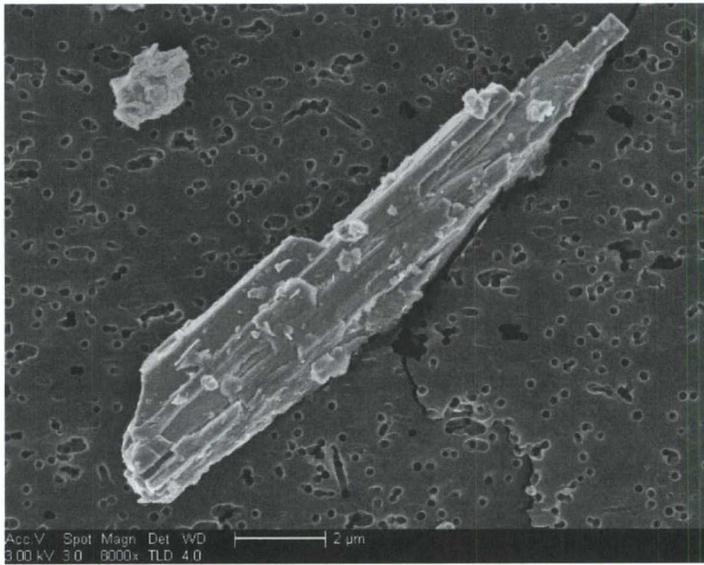
Zone 30-1

D1 9.17

Phi 86.1

D2 1.36

RJLG # 3044328 Field 27, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

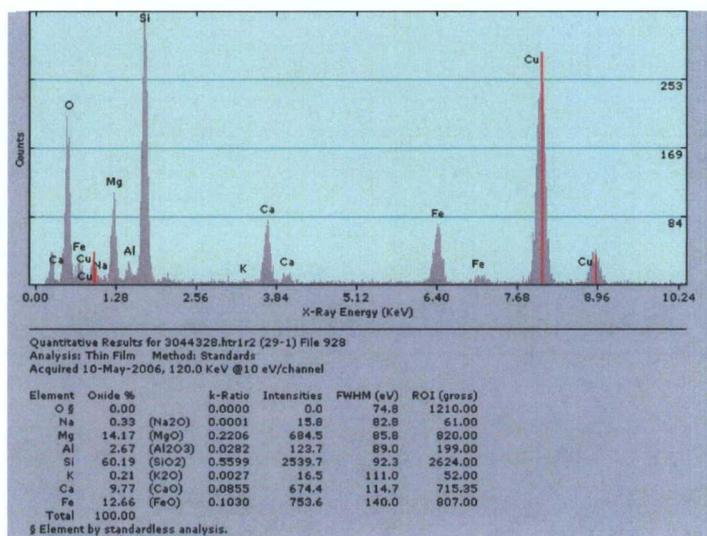
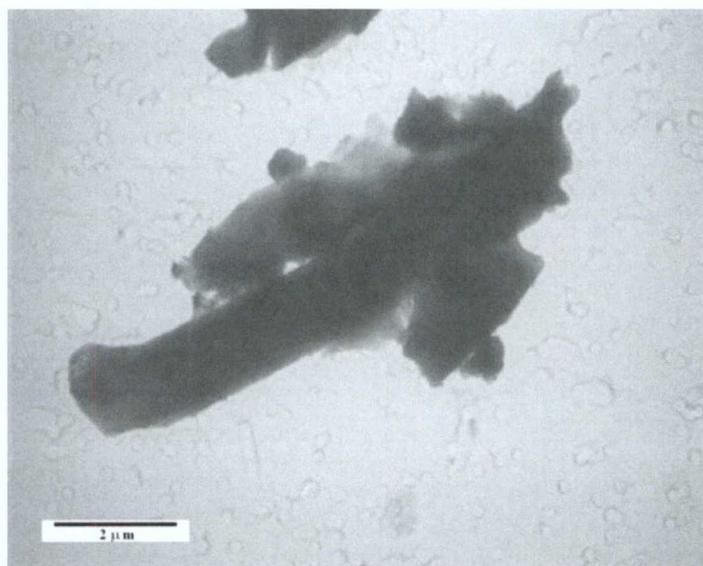
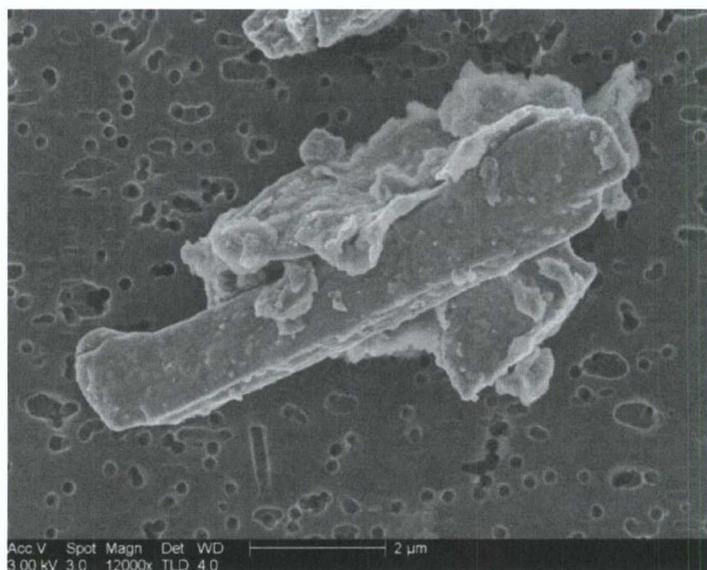


L = 15.75 W = 2.75 AR = 6:1

Mineral category: Pyroxene

Zone	332	D1	6.62
Phi	87.7	D2	1.82

RJLG # 3044328 Field 28, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

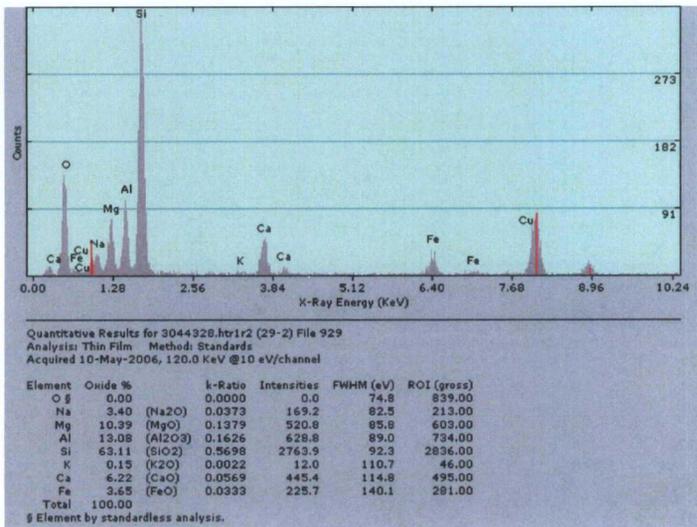
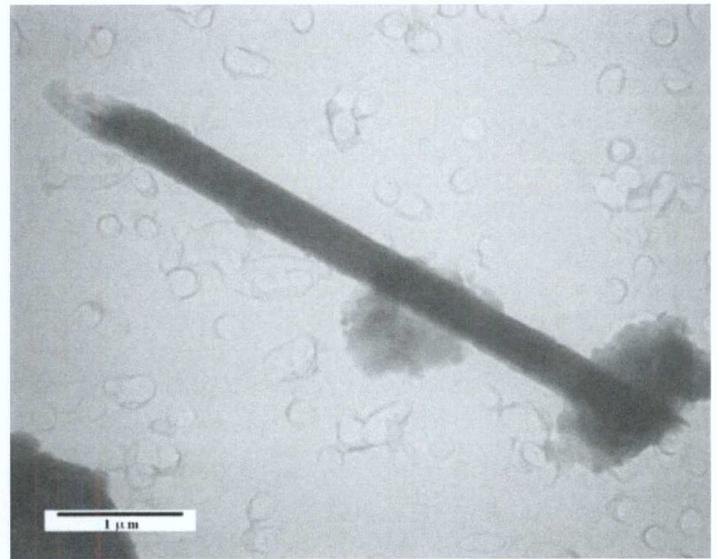
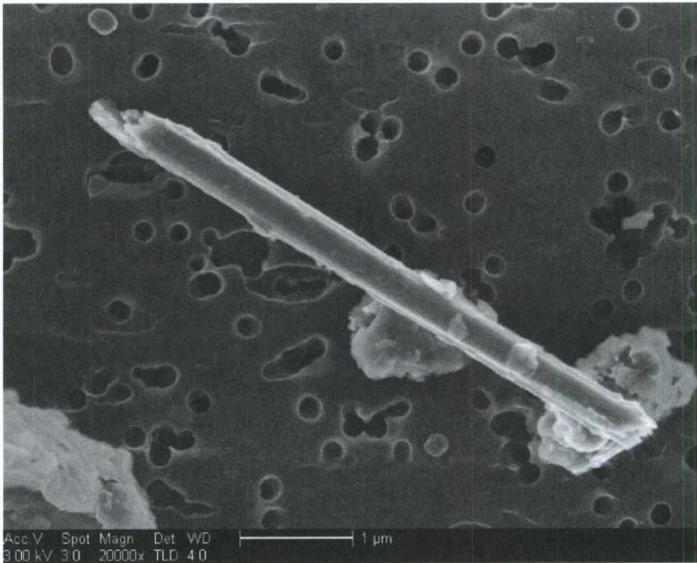


L = 5.75 W = .4 AR = 14:1

Mineral category: Amphibole

Zone	114	D1	8.54
Phi	83.5	D2	3.98

RJLG # 3044328 Field 29, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator



L = 11 W = 1.5 AR = 7:1

Mineral category: Amphibole

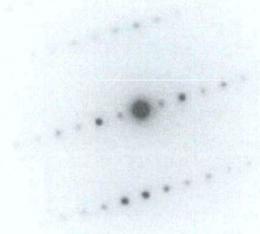
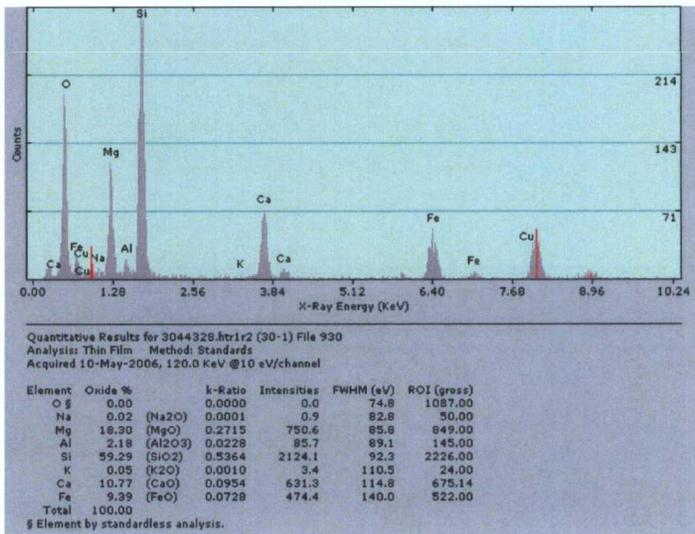
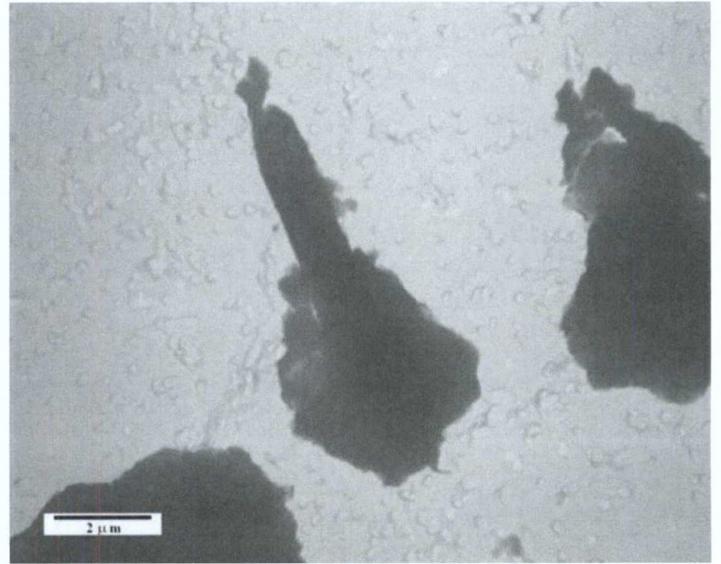
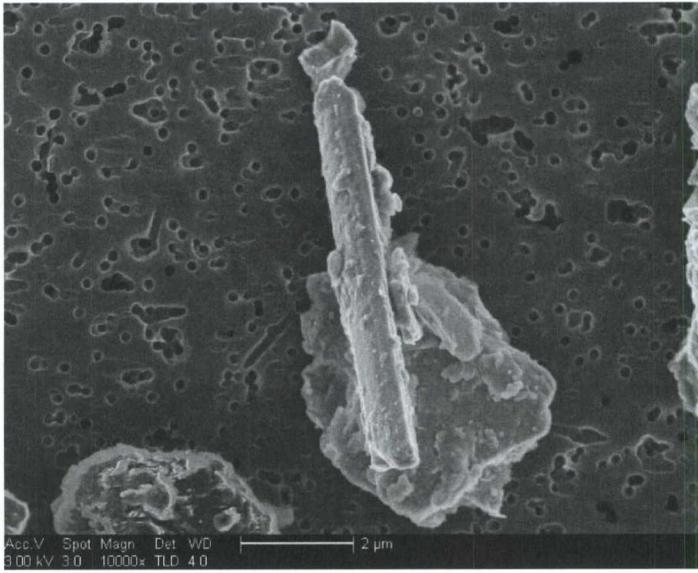
Zone 301

Phi 83.5

D1 9.29

D2 1.8

RJLG # 3044328 Field 29, Fiber 2
 NFB-SS04-100804-FG2 -- Elutriator



L = 9.5 W = 1.1 AR = 9:1

Mineral category: Pyroxene

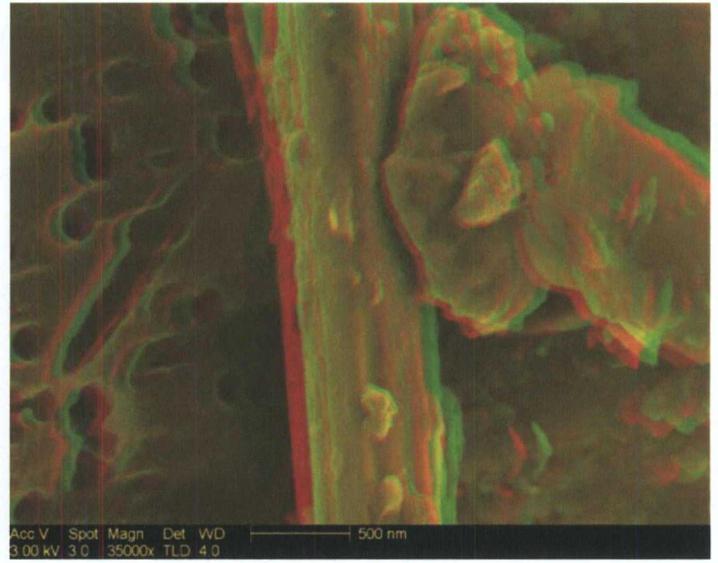
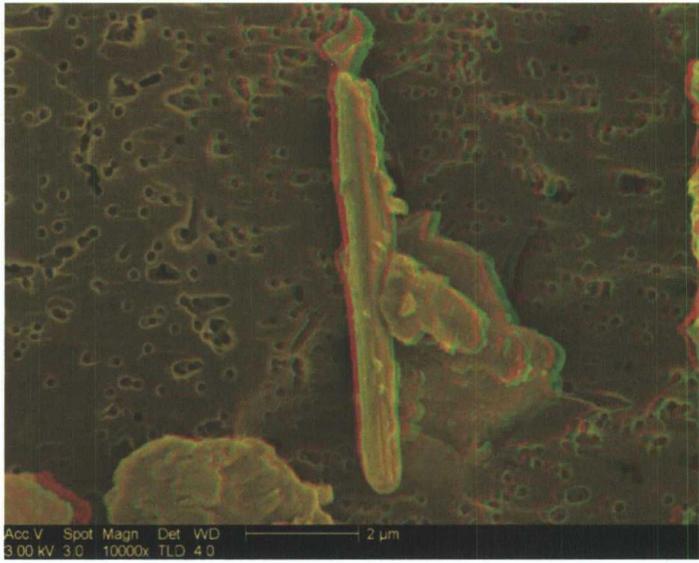
Zone 334

D1 6.6

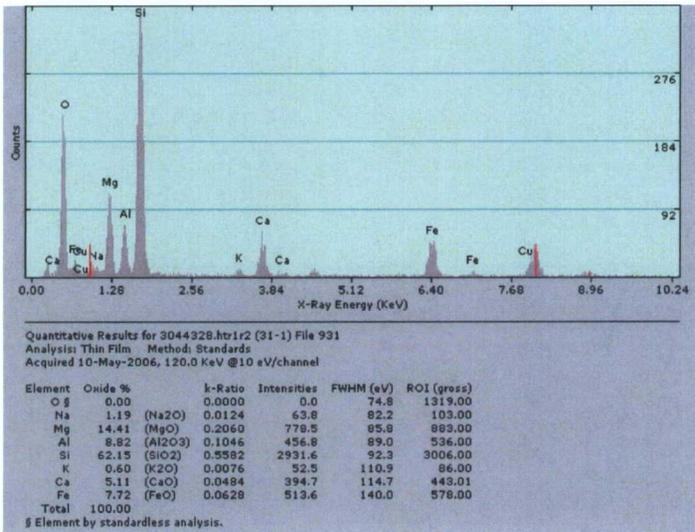
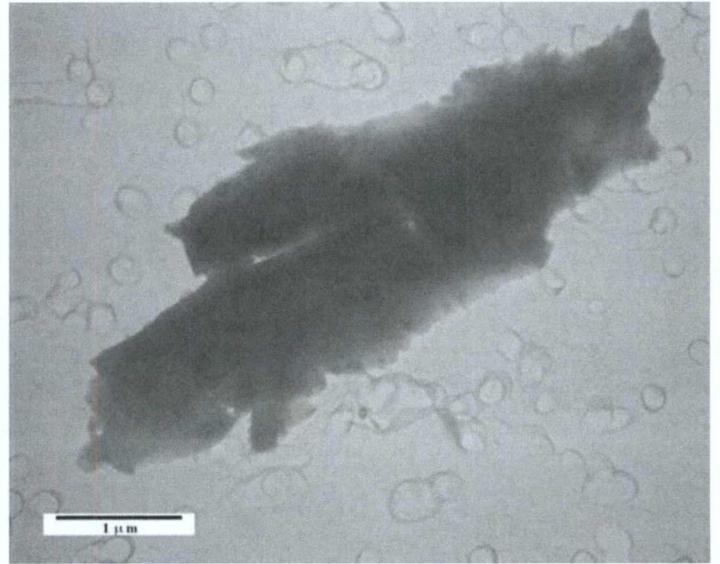
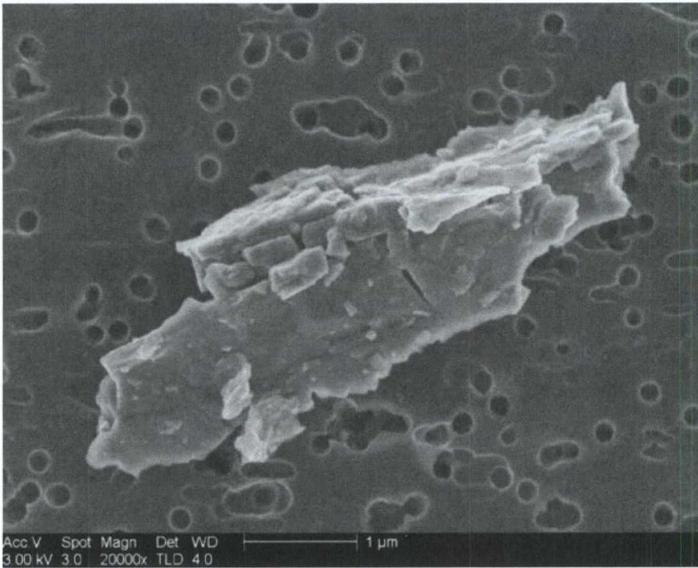
Phi 88.6

D2 1.71

RJLG # 3044328 Field 30, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



RJLG # 3044328 Field 30, Fiber 1
NFB-SS04-100804-FG2 -- Elutriator



L = 7.5 W = 2.5 AR = 3:1

Mineral category: Amphibole

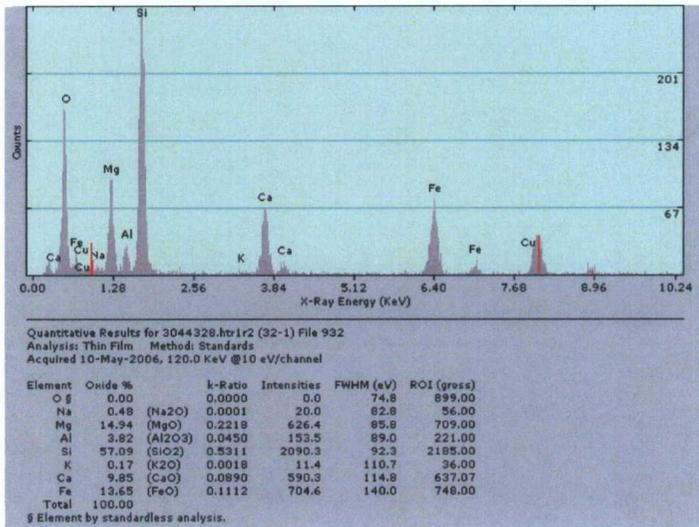
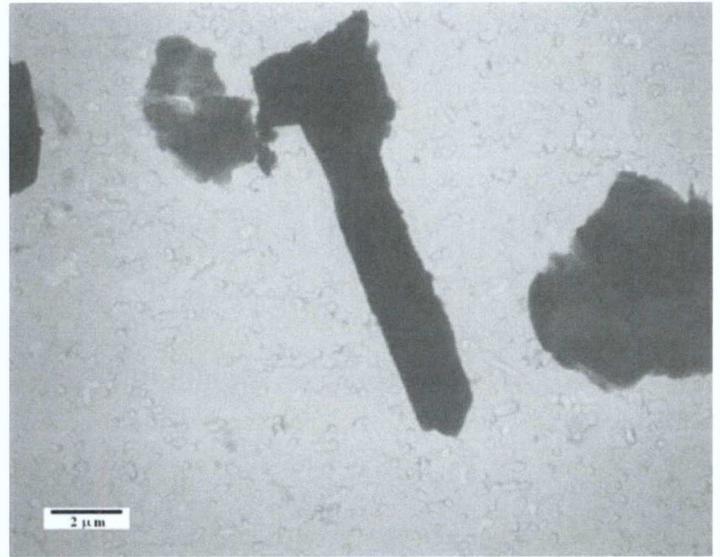
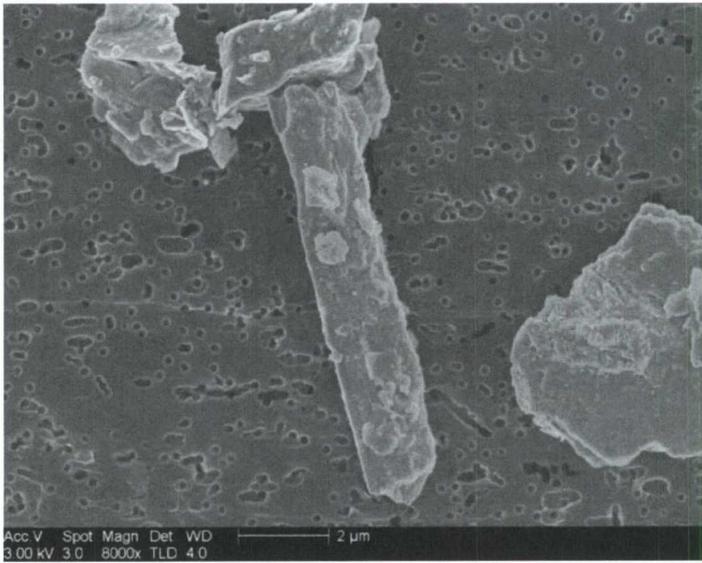
Zone 320

D1 4.96

Phi 79.7

D2 1.97

RJLG # 3044328 Field 31, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

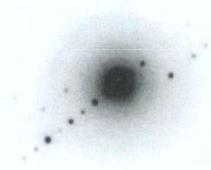
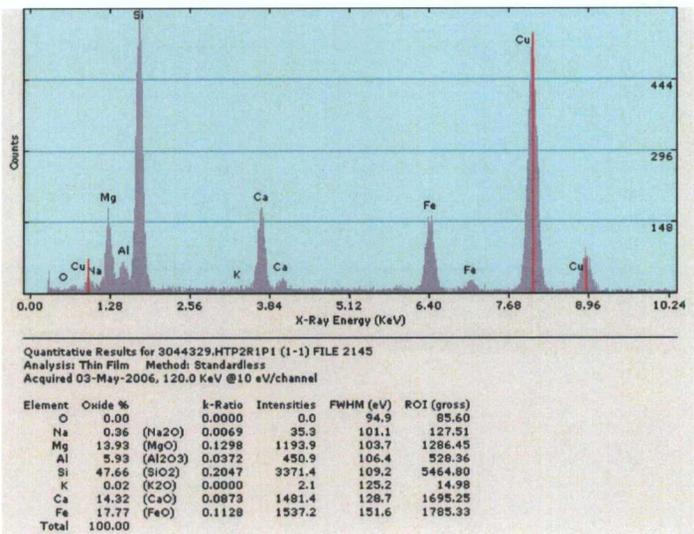
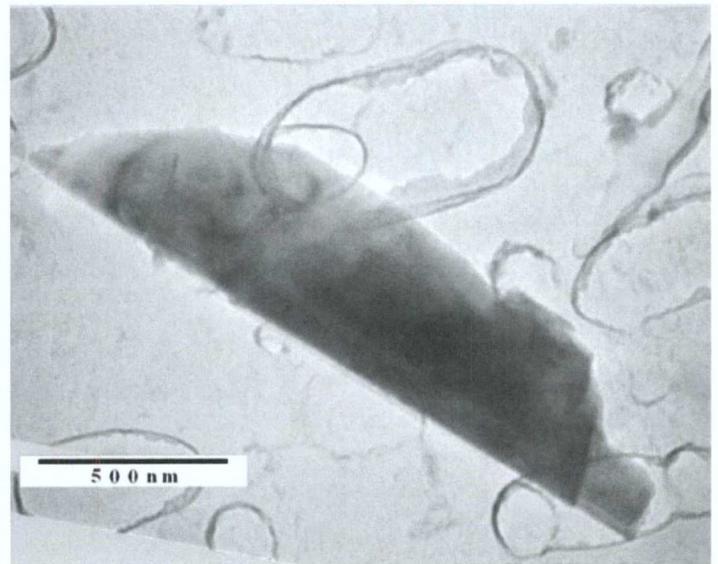
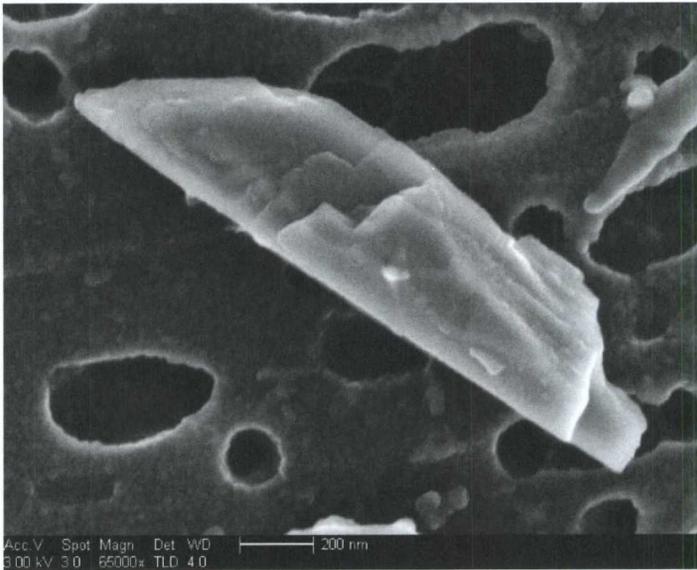


L = 11.75 W = 2.2 AR = 5:1

Mineral category: Amphibole

Zone 311 **D1** 5.23
Phi 82 **D2** 2.7

RJLG # 3044328 Field 32, Fiber 1
 NFB-SS04-100804-FG2 -- Elutriator

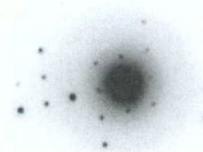
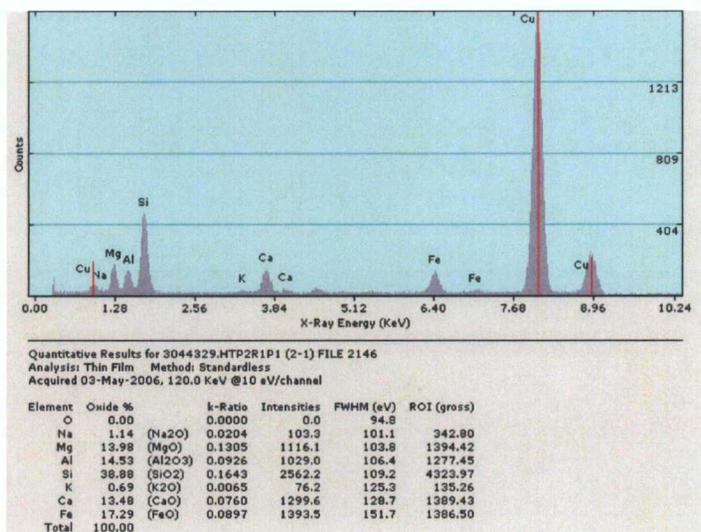
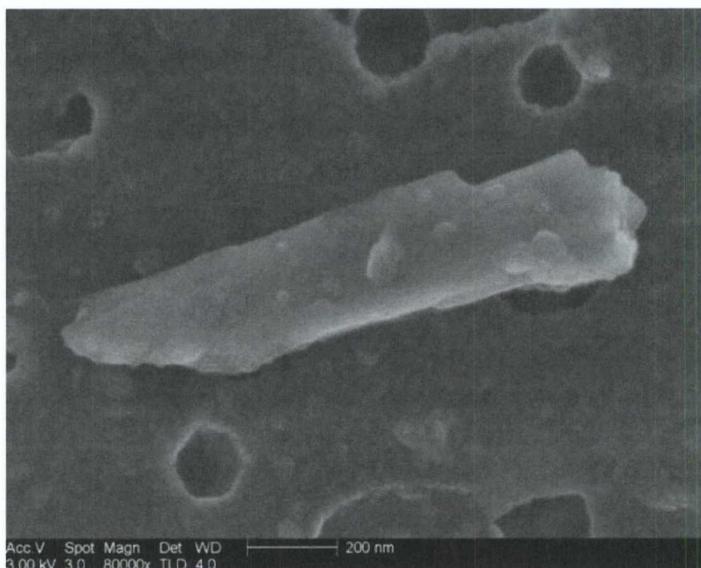


L = 2 W = .5 AR = 4:1

Mineral category: Amphibole

Zone	100	D1	9.23
Phi	89.3	D2	4.97

RJLG # 3044329 Field 1, Fiber 1
NFB-S04-100804-FG2 -- Soil



L = 1.25 W = .2 AR = 6:1

Mineral category: Amphibole

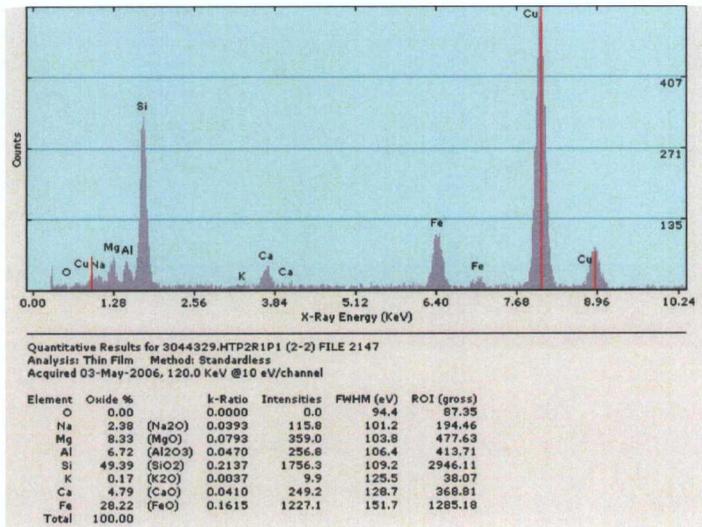
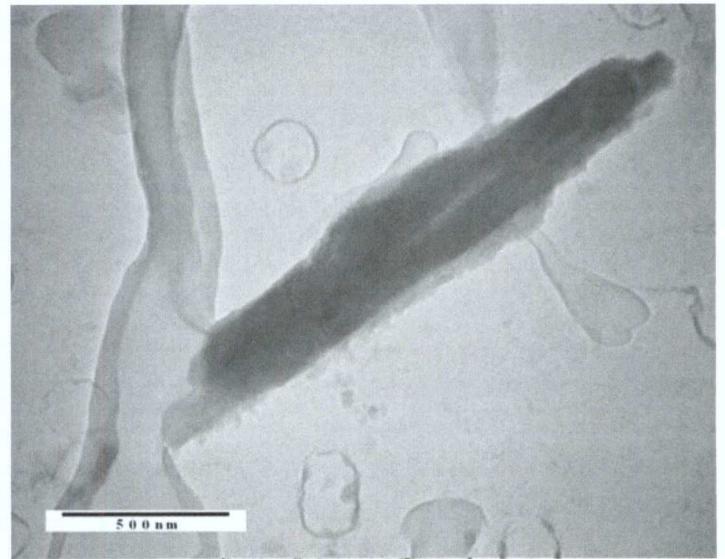
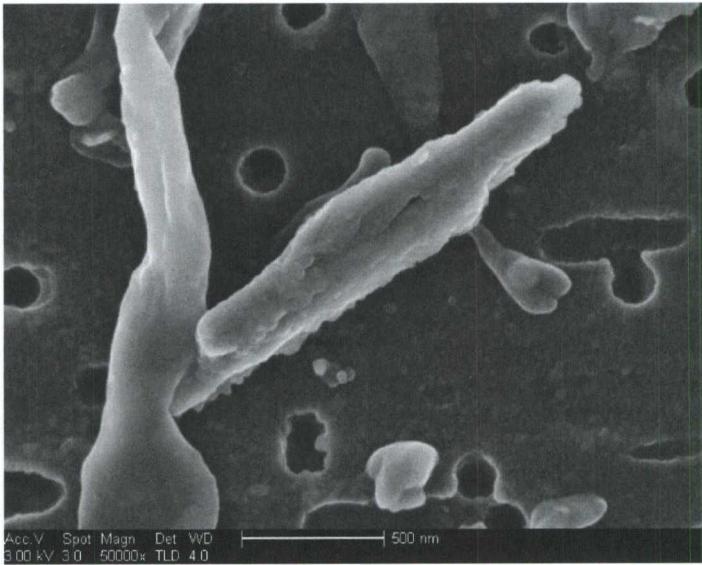
Zone 310

D1 5.19

Phi 82.4

D2 5.15

RJLG # 3044329 Field 2, Fiber 1
 NFB-S04-100804-FG2 -- Soil



L = 1.75 W = .25 AR = 7:1

Mineral category: Amphibole

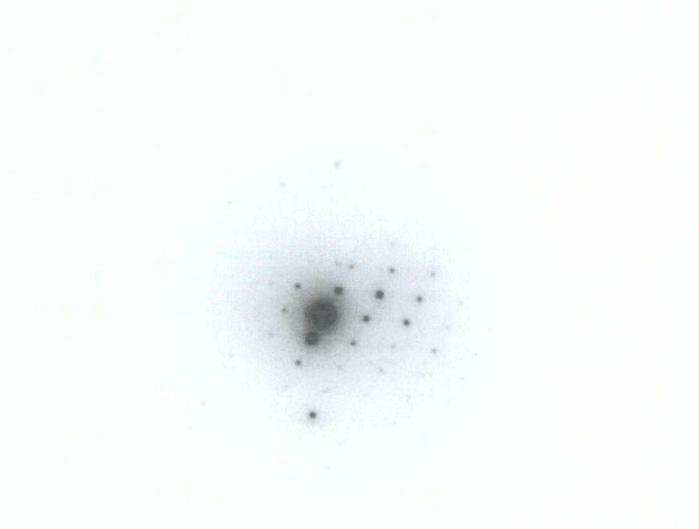
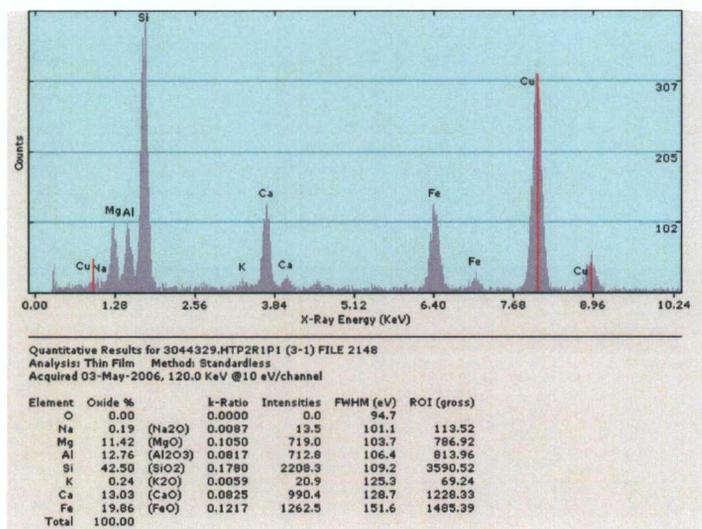
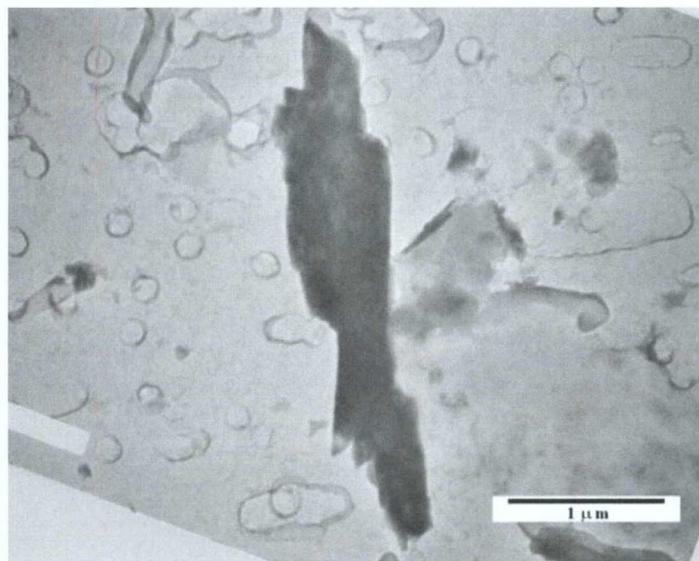
Zone 301

D1 9.4

Phi 84.3

D2 1.83

RJLG # 3044329 Field 2, Fiber 2
 NFB-S04-100804-FG2 -- Soil

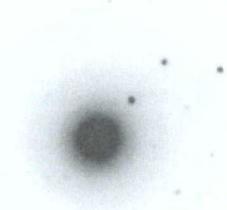
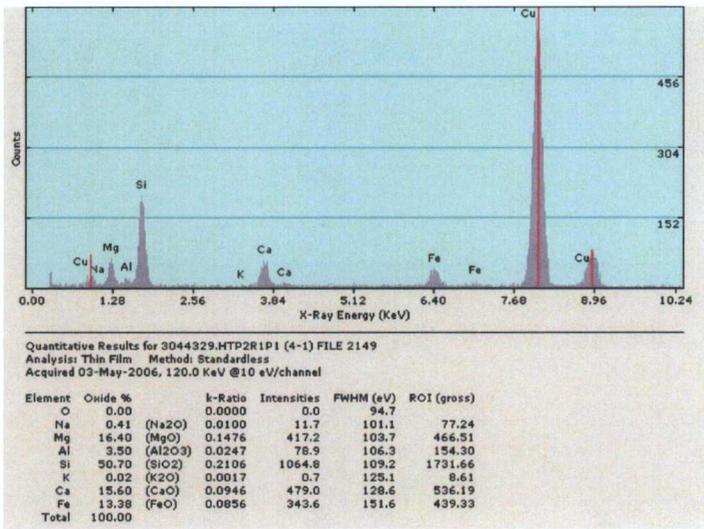
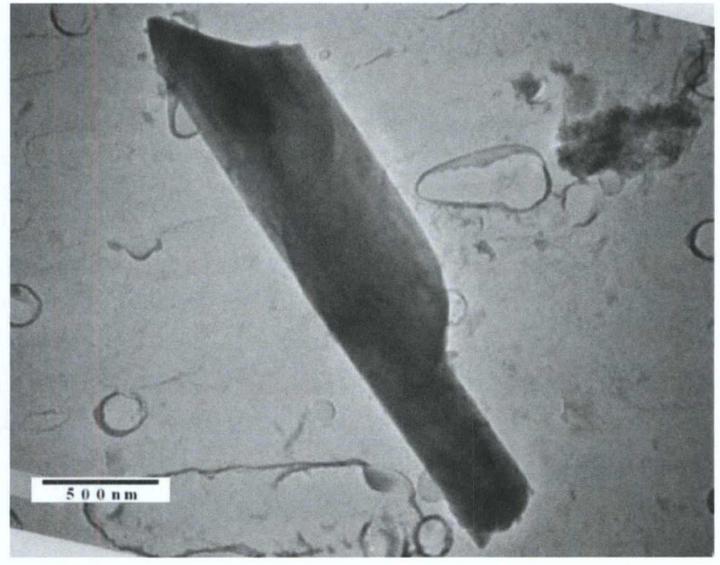
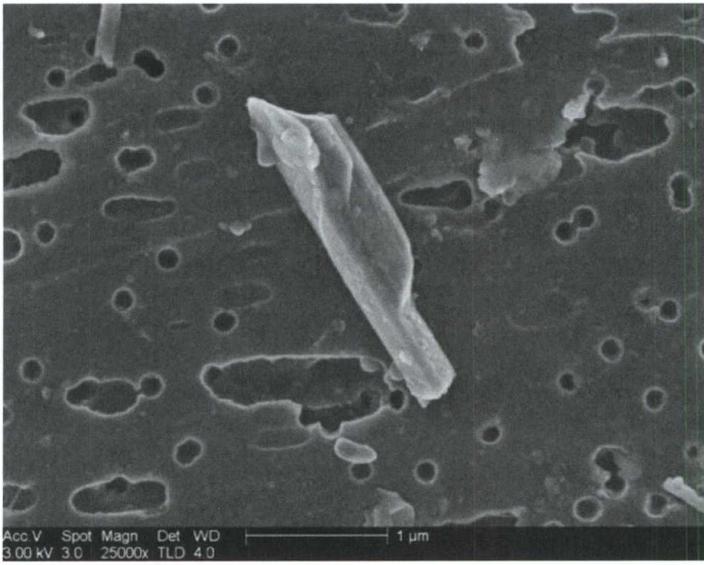


L = 2.9 W = .5 AR = 6:1

Mineral category: Amphibole

Zone	541	D1	5.06
Phi	66.9	D2	3.46

RJLG # 3044329 Field 3, Fiber 1
 NFB-S04-100804-FG2 -- Soil

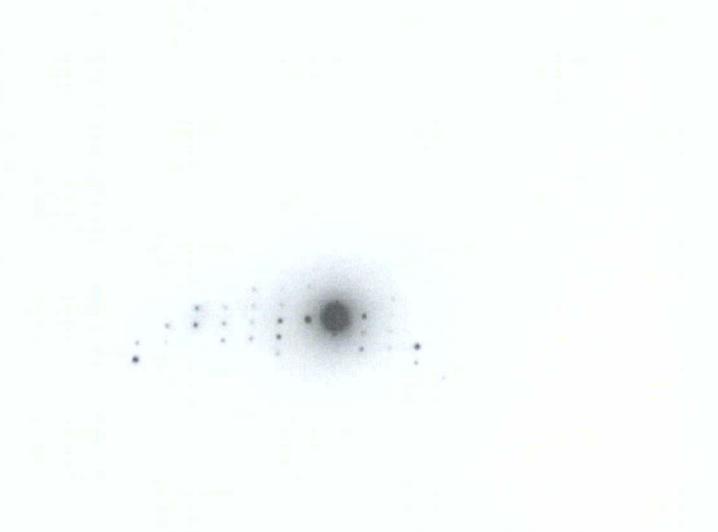
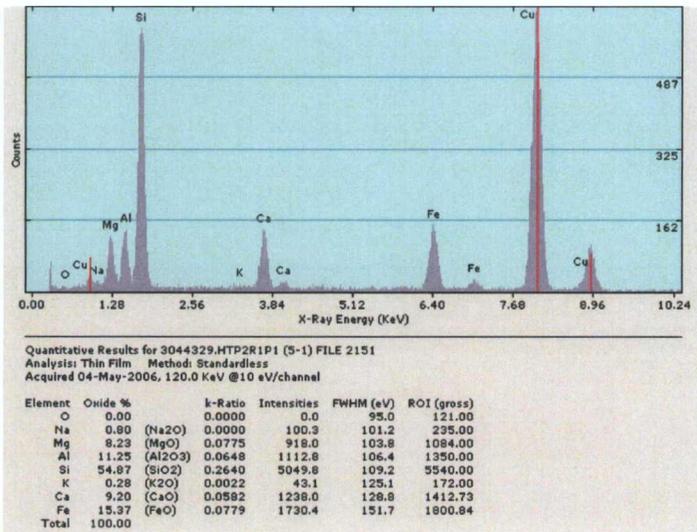
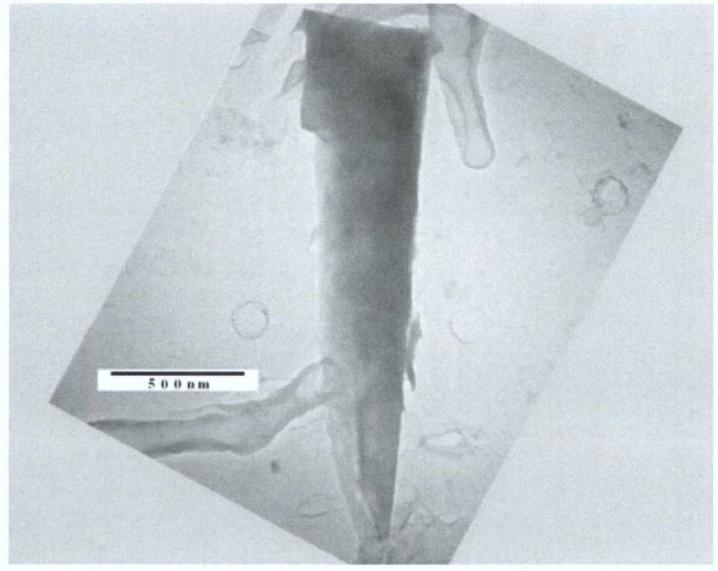
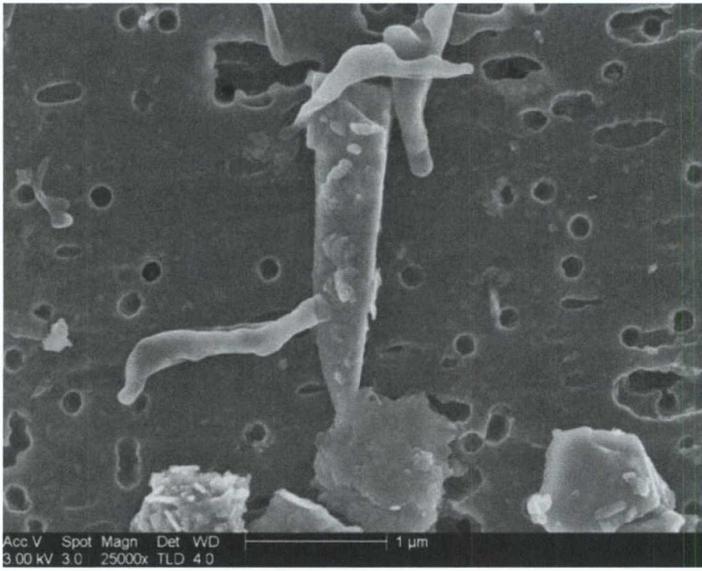


L = 2.5 W = .45 AR = 6:1

Mineral category: Amphibole

Zone	525	D1	2.8
Phi	67.4	D2	2.7

RJLG # 3044329 Field 4, Fiber 1
 NFB-S04-100804-FG2 -- Soil

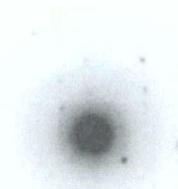
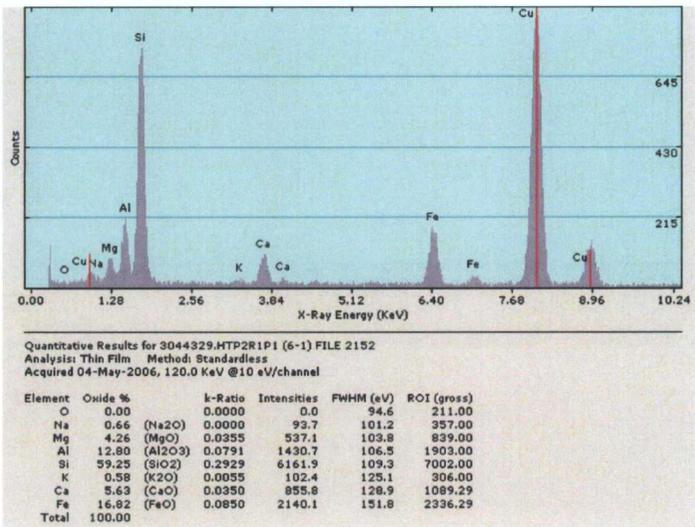
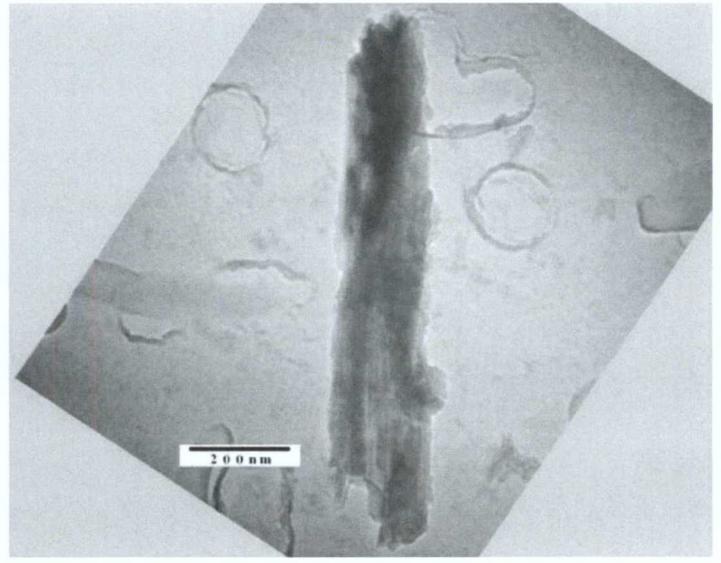
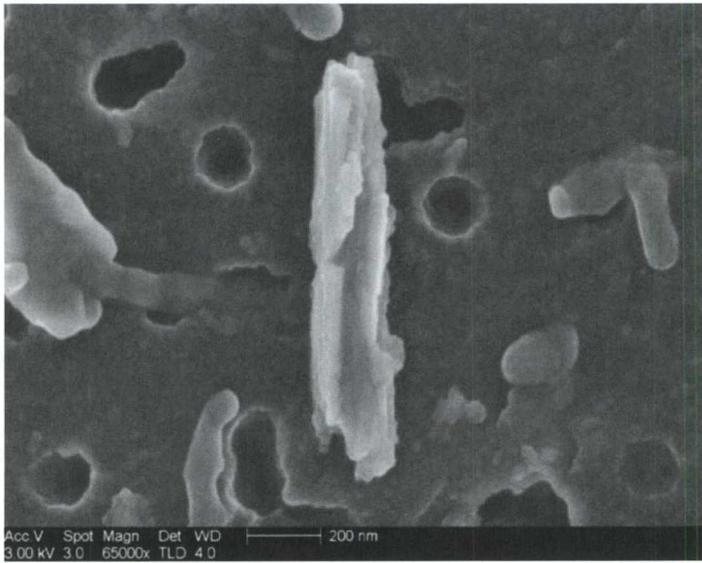


L = 2.3 W = .4 AR = 6:1

Mineral category: Amphibole

Zone	112	D1	8.48
Phi	84.7	D2	4.95

RJLG # 3044329 Field 5, Fiber 1
 NFB-S04-100804-FG2 -- Soil

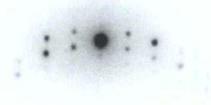
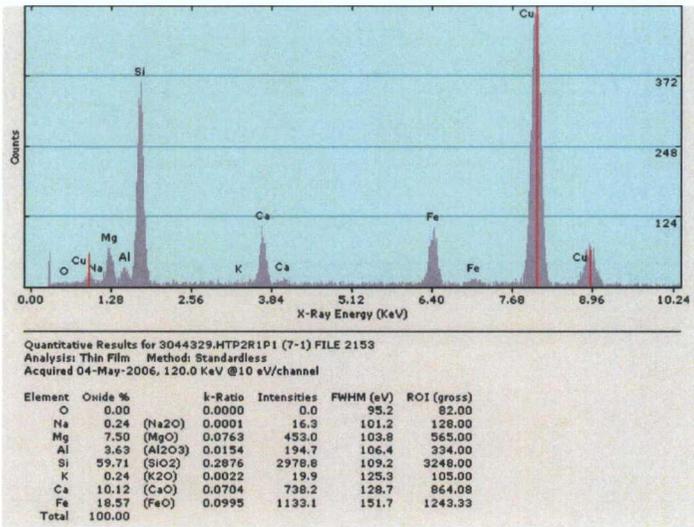
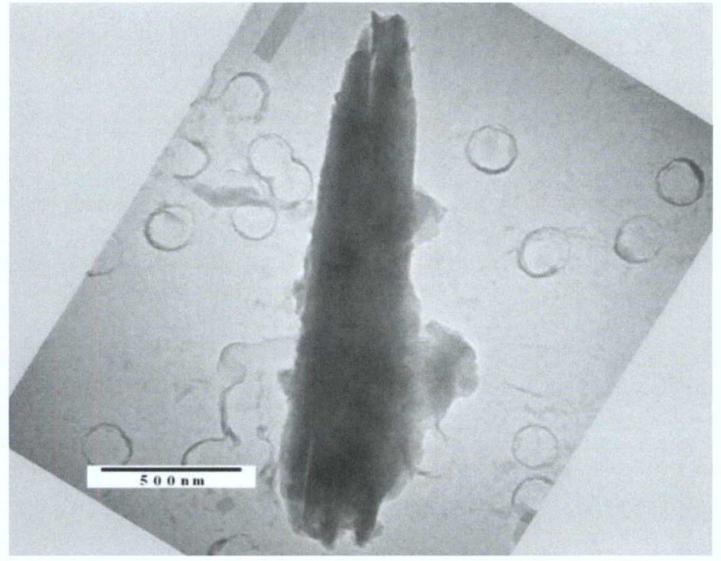
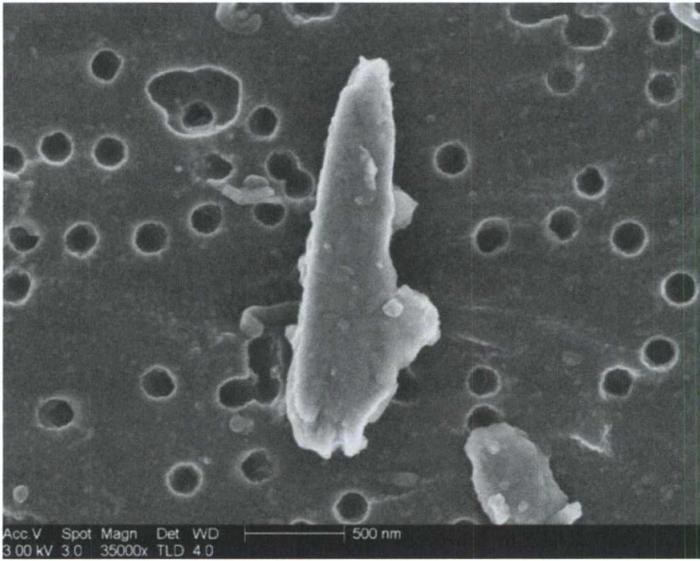


L = 1.1 W = .15 AR = 7:1

Mineral category: Amphibole

Zone 112 D1 8.6
 Phi 84.5 D2 4.89

RJLG # 3044329 Field 6, Fiber 1
 NFB-S04-100804-FG2 -- Soil

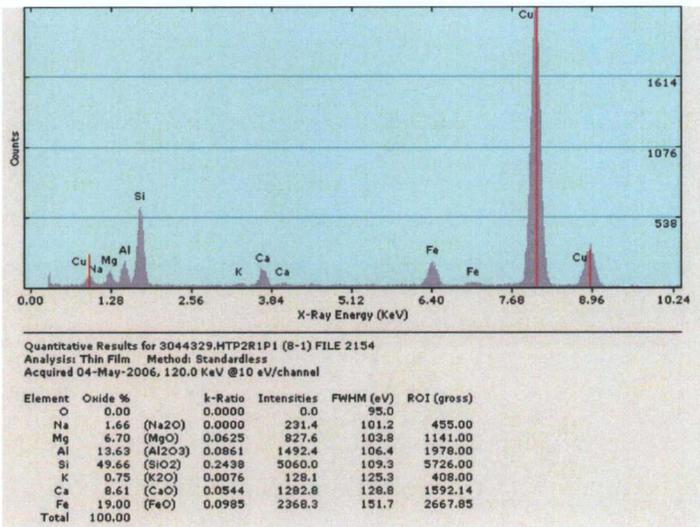
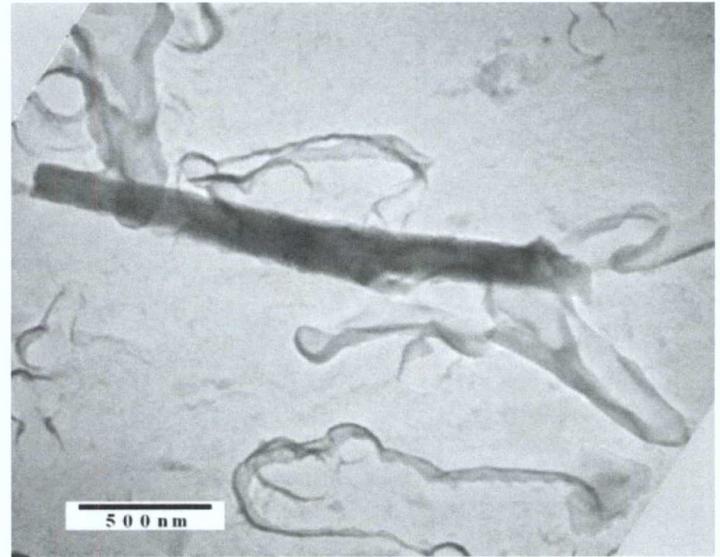
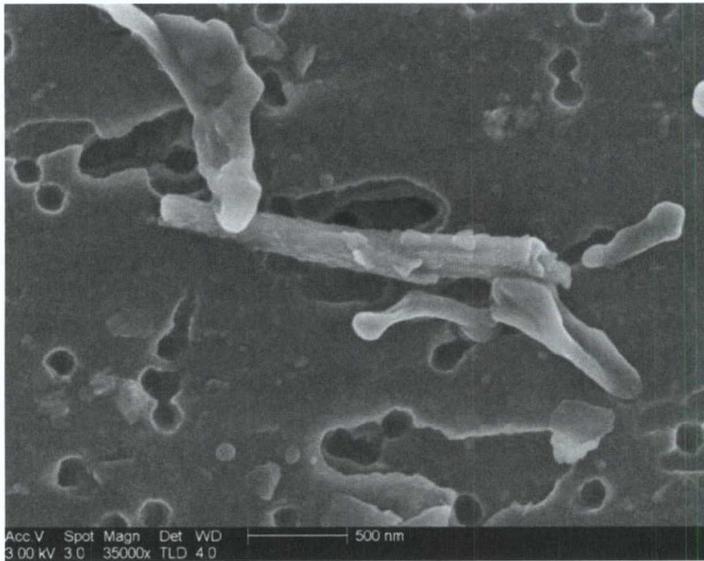


L = 2 W = .3 AR = 7:1

Mineral category: Amphibole

Zone	101	D1	9.12
Phi	75.1	D2	4.93

RJLG # 3044329 Field 7, Fiber 1
 NFB-S04-100804-FG2 -- Soil



L = 1.85 W = .15 AR = 12:1

Mineral category: Amphibole

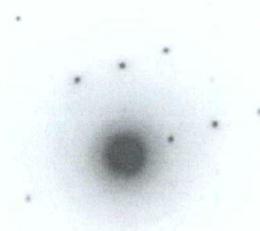
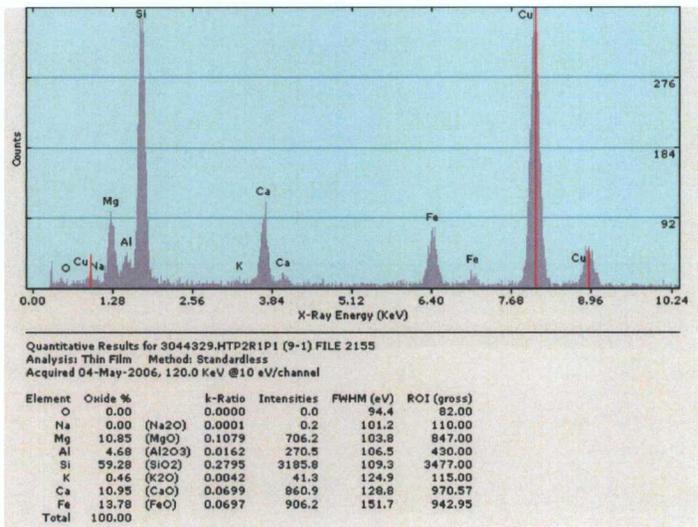
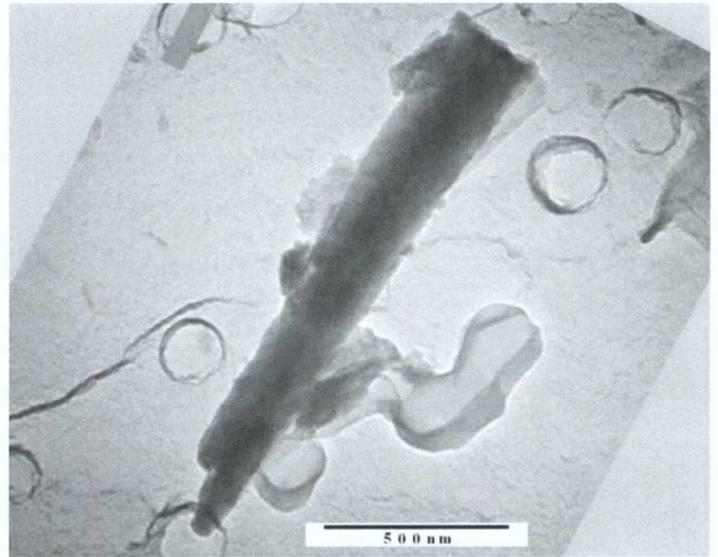
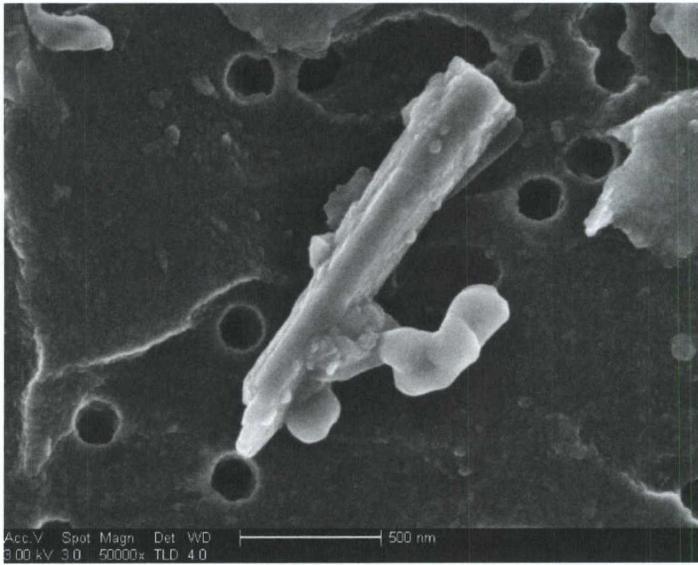
Zone 213

D1 4.91

Phi 89.3

D2 3.29

RJLG # 3044329 Field 8, Fiber 1
NFB-S04-100804-FG2 -- Soil



L = 1.5 W = .15 AR = 10:1

Mineral category: Amphibole

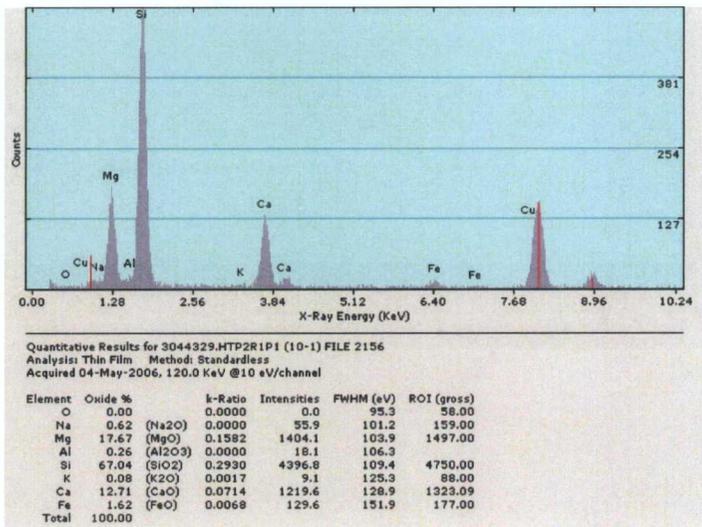
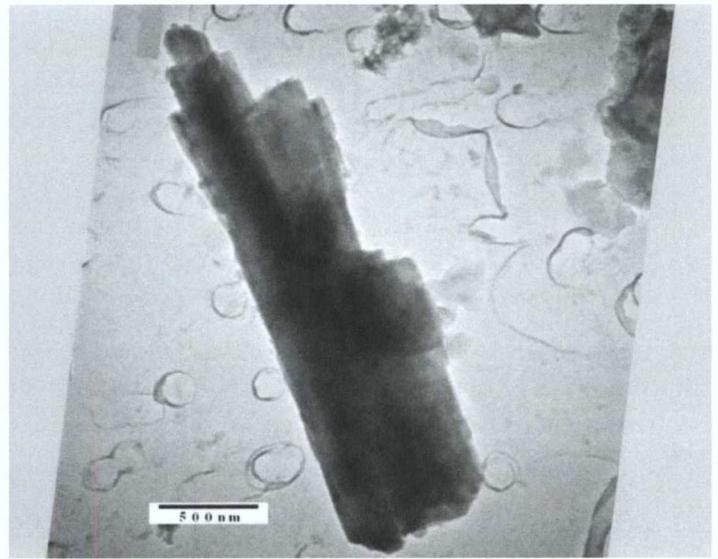
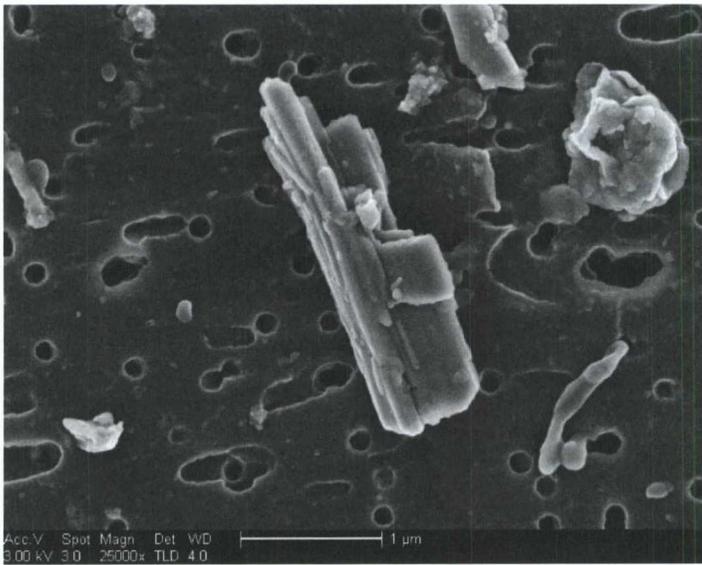
Zone 32-2

D1 3.05

Phi 75.1

D2 2.96

RJLG # 3044329 Field 9, Fiber 1
 NFB-S04-100804-FG2 -- Soil

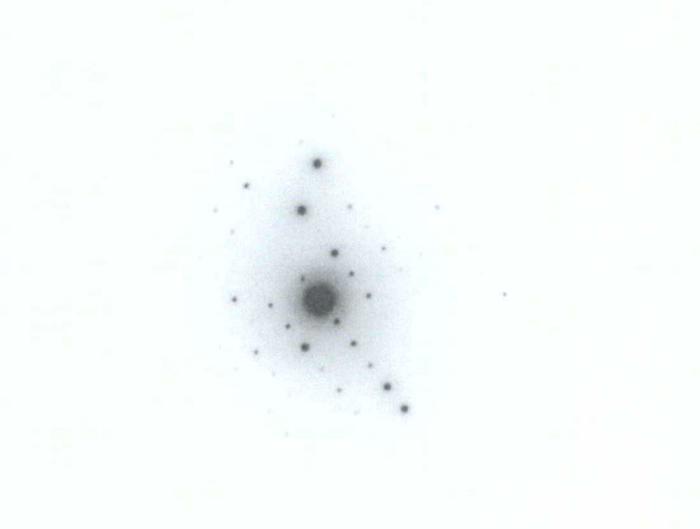
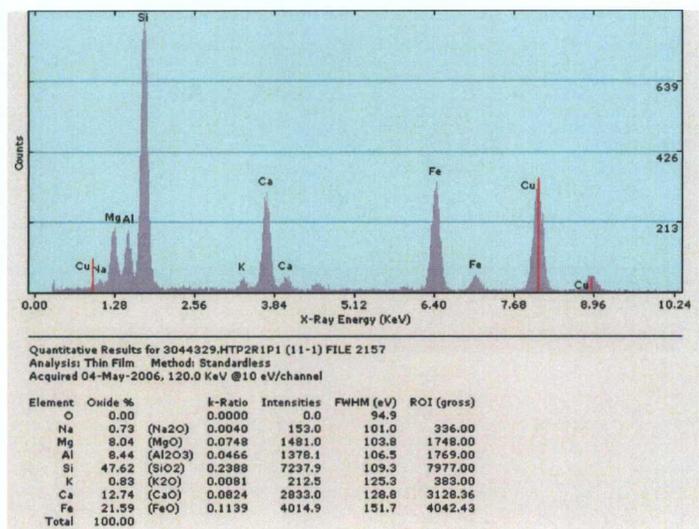
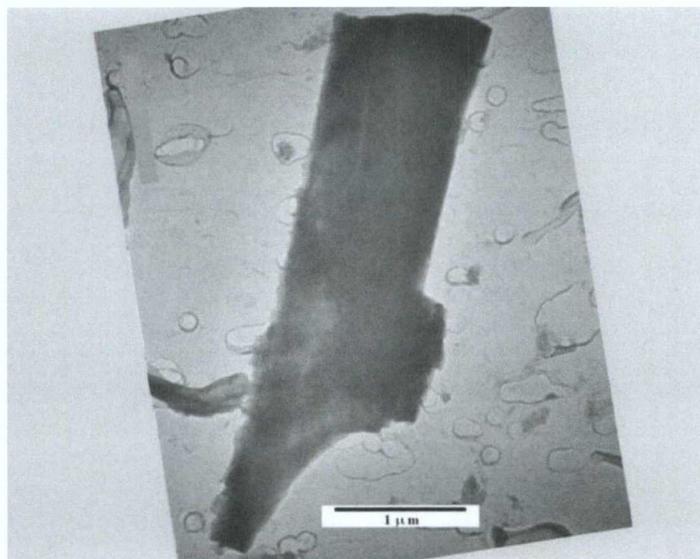


L = 2.75 W = .7 AR = 4:1

Mineral category: Amphibole

Zone	213	D1	4.95
Phi	88.8	D2	3.41

RJLG # 3044329 Field 10, Fiber 1
 NFB-S04-100804-FG2 -- Soil

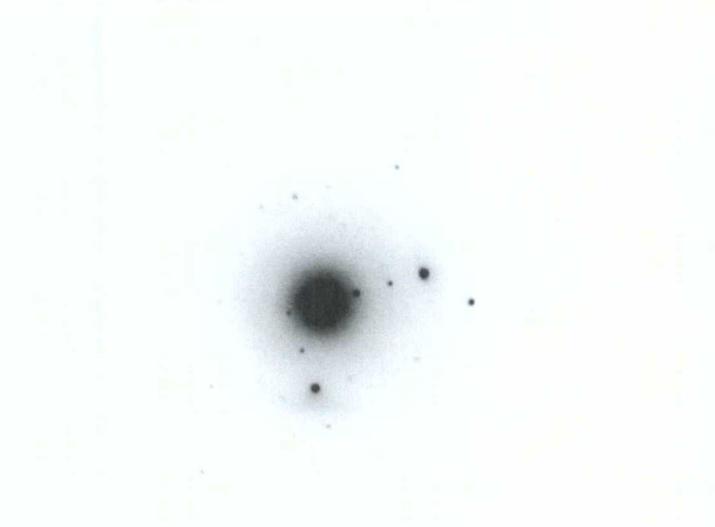
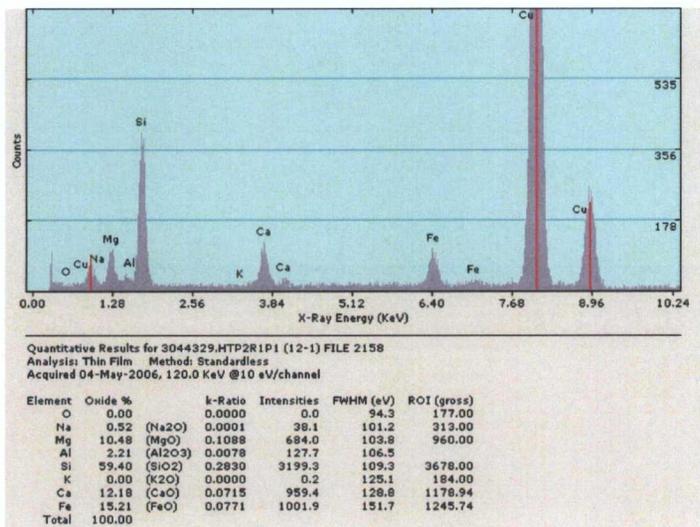
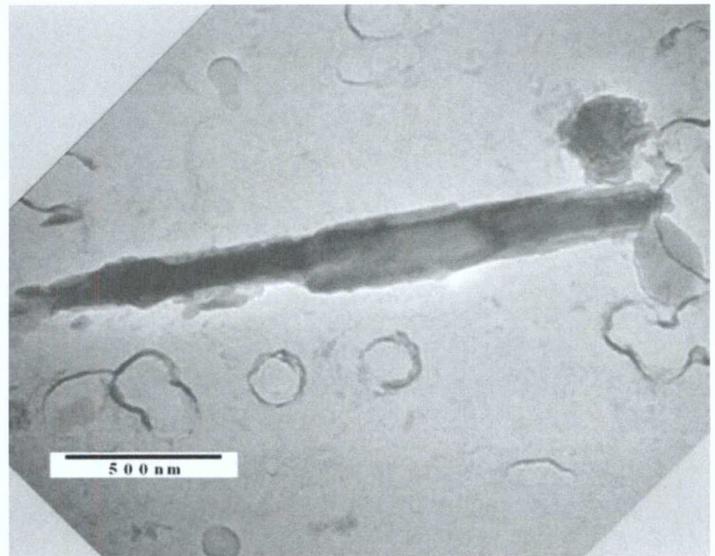
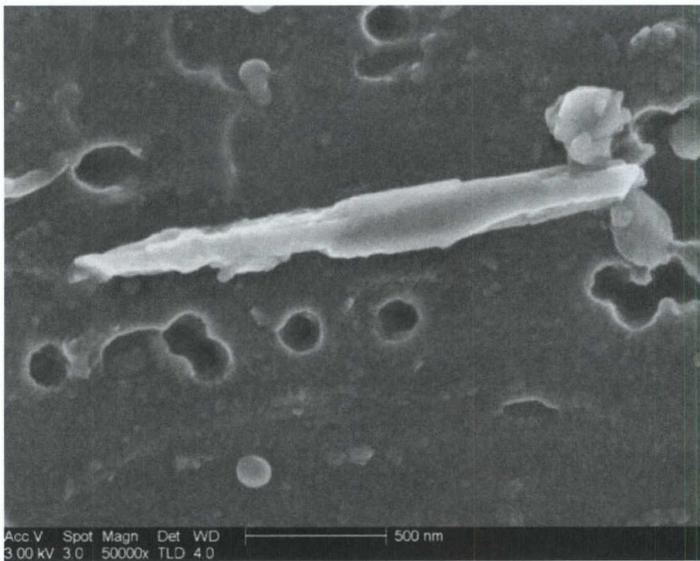


L = 5 W = 1.25 AR = 4:1

Mineral category: Amphibole

Zone	213	D1	5.03
Phi	88.9	D2	3.36

RJLG # 3044329 Field 11, Fiber 1
 NFB-S04-100804-FG2 -- Soil

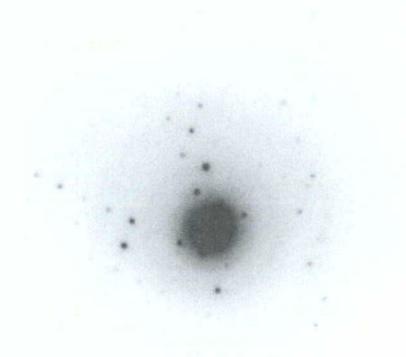
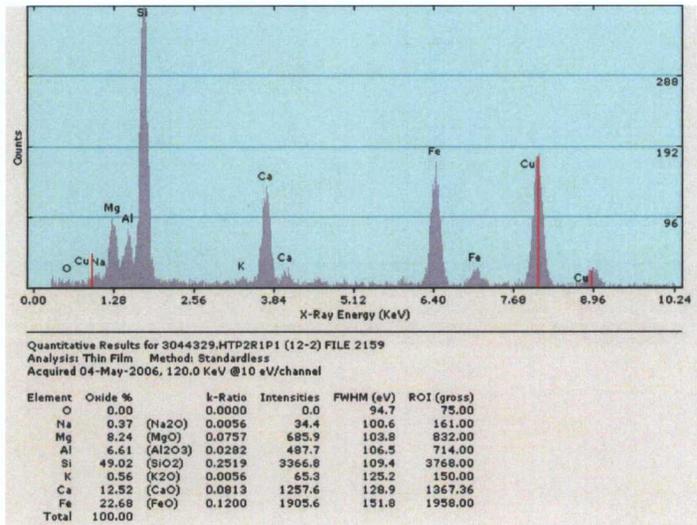
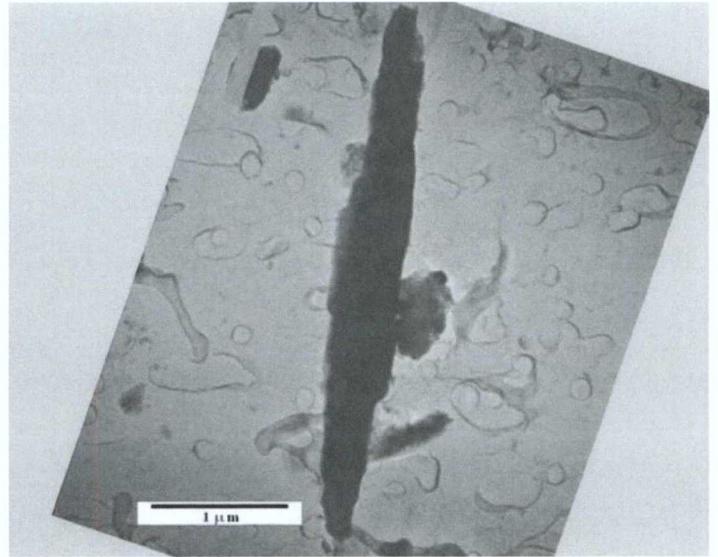
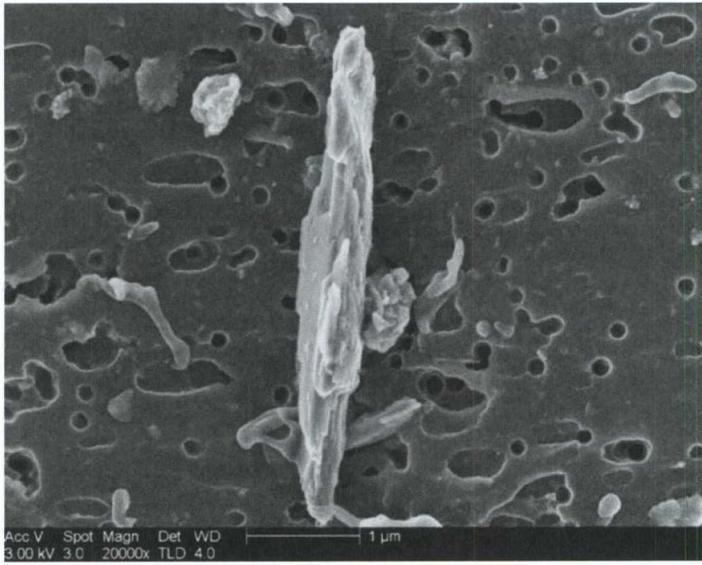


L = 1.75 W = .15 AR = 12:1

Mineral category: Pyroxene

Zone	21-3	D1	3.88
Phi	86.5	D2	3.41

RJLG # 3044329 Field 12, Fiber 1
 NFB-S04-100804-FG2 -- Soil

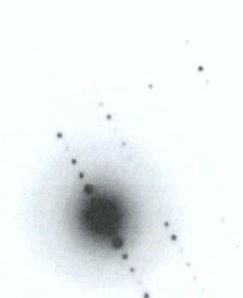
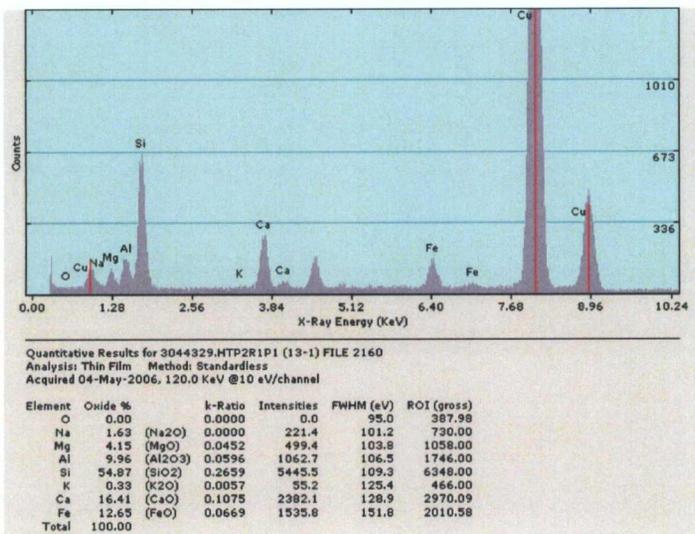
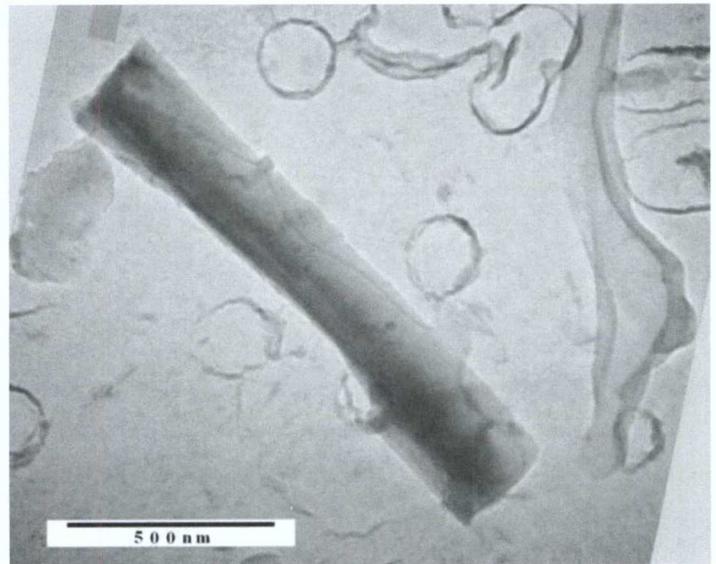
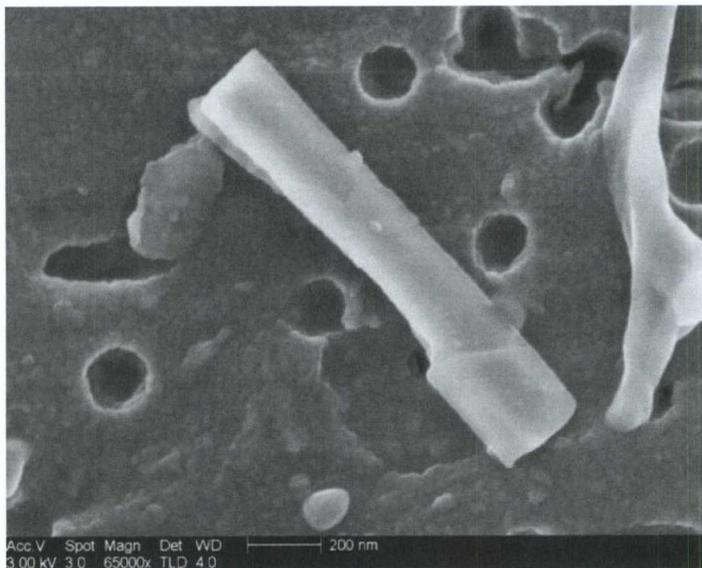


L = 4.3 W = .3 AR = 14:1

Mineral category: Amphibole

Zone	310	D1	5.25
Phi	83.9	D2	5.23

RJLG # 3044329 Field 12, Fiber 2
 NFB-S04-100804-FG2 -- Soil

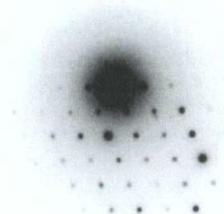
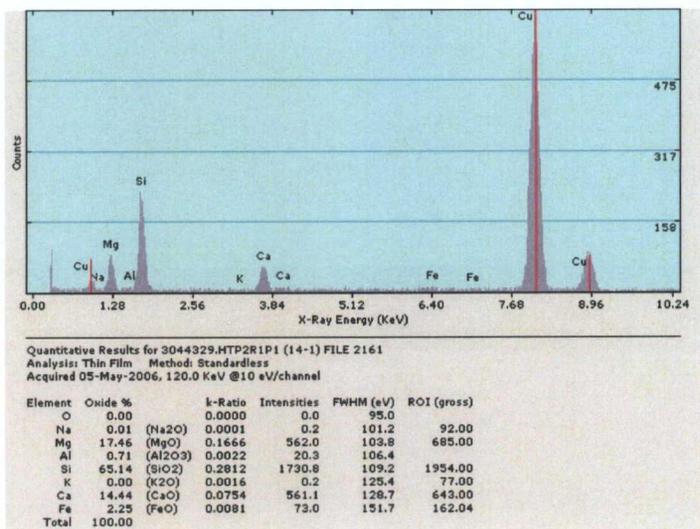
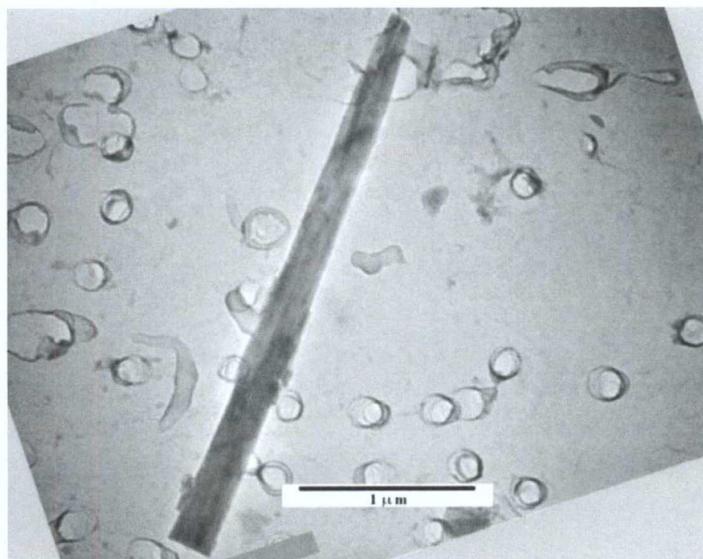


L = 1.3 W = .15 AR = 9:1

Mineral category: Amphibole

Zone	201	D1	9.13
Phi	83.1	D2	2.64

RJLG # 3044329 Field 13, Fiber 1
 NFB-S04-100804-FG2 -- Soil

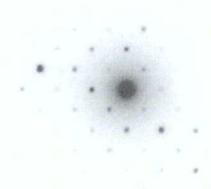
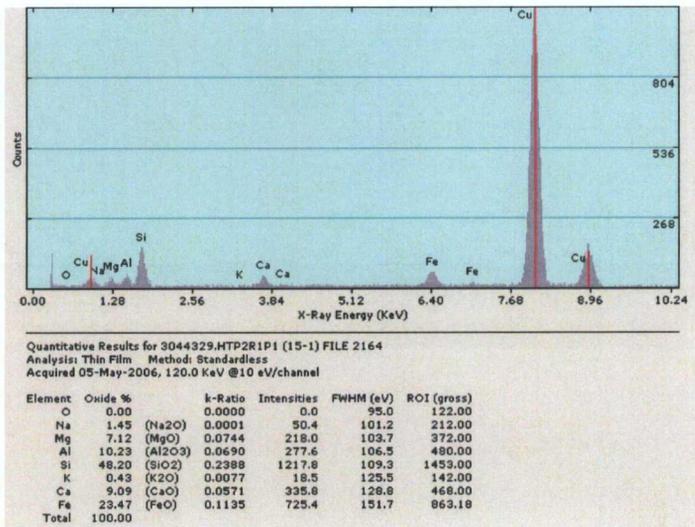
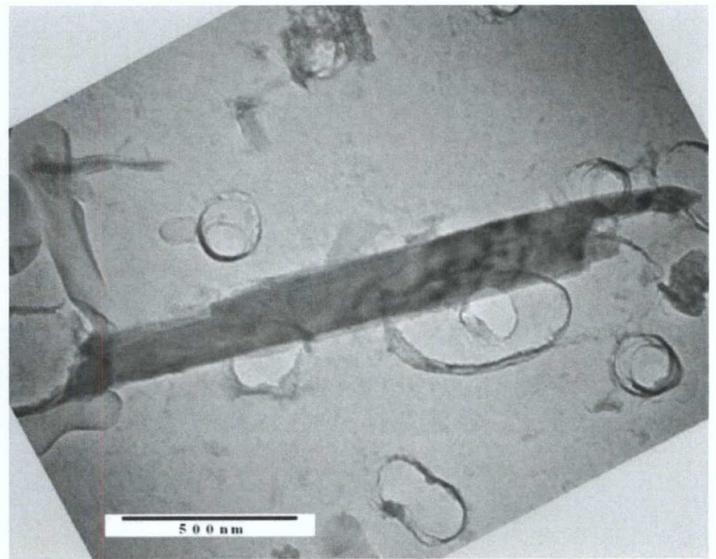
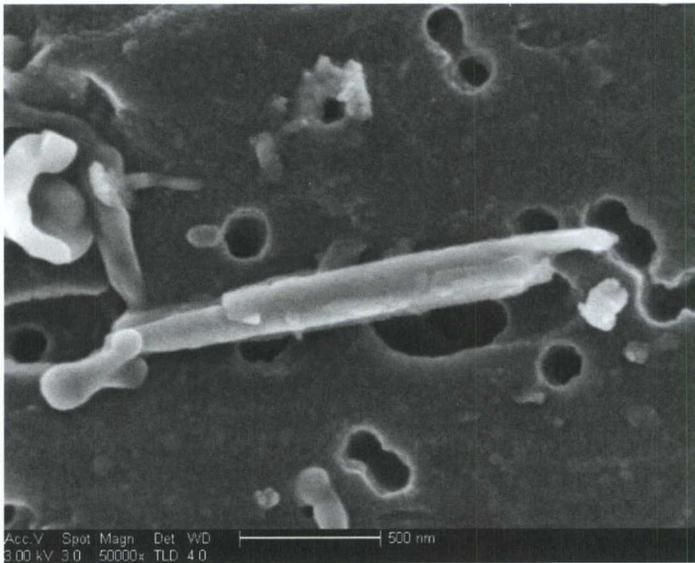


L = 2.75 W = .2 AR = 14:1

Mineral category: Amphibole

Zone	312	D1	5.18
Phi	67.5	D2	4.96

RJLG # 3044329 Field 14, Fiber 1
 NFB-S04-100804-FG2 -- Soil

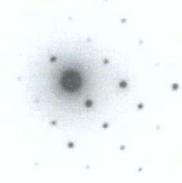
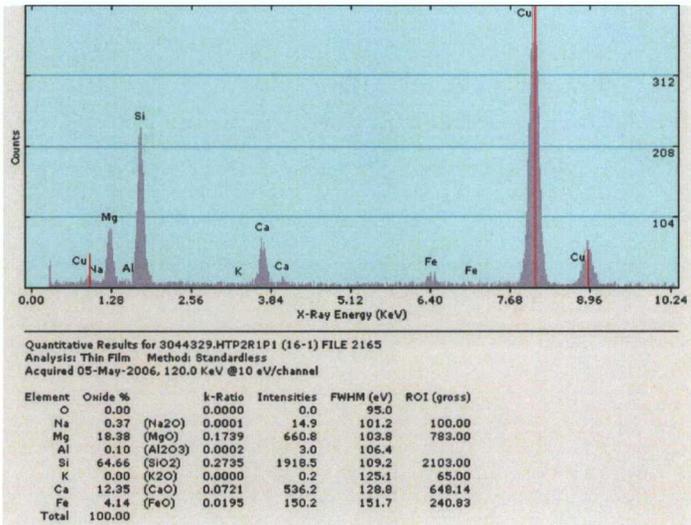
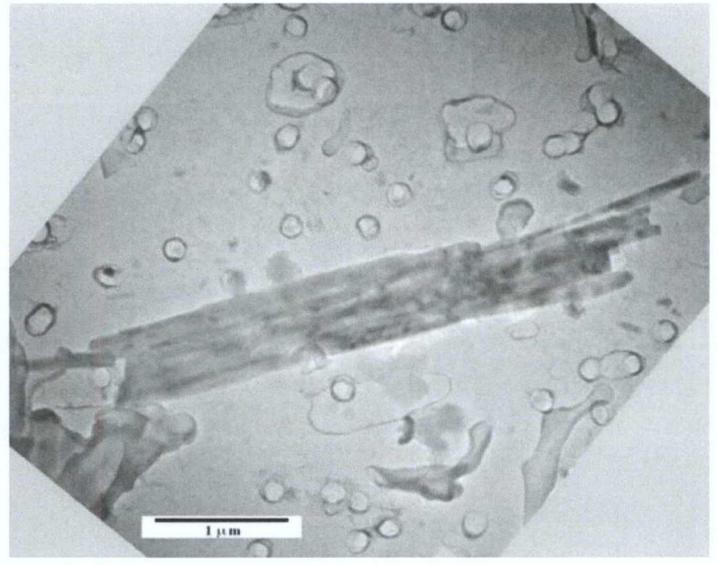
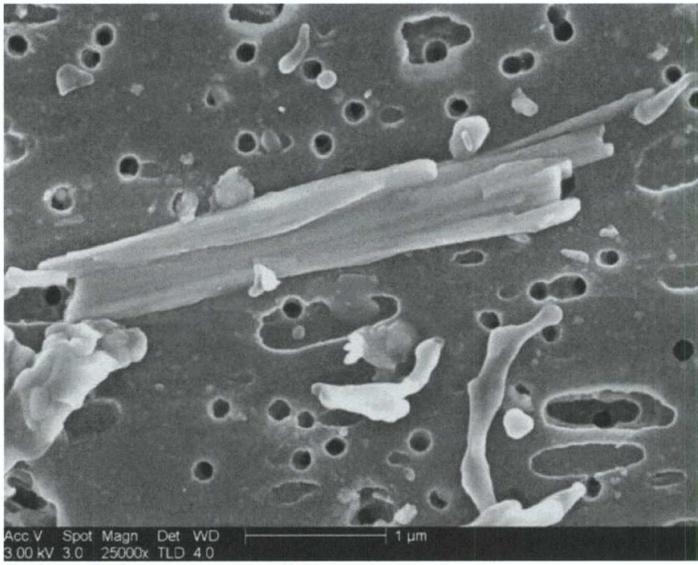


L = 2.6 W = .15 AR = 17:1

Mineral category: Amphibole

Zone 310 D1 5.22
 Phi 82.4 D2 5.2

RJLG # 3044329 Field 15, Fiber 1
 NFB-S04-100804-FG2 -- Soil

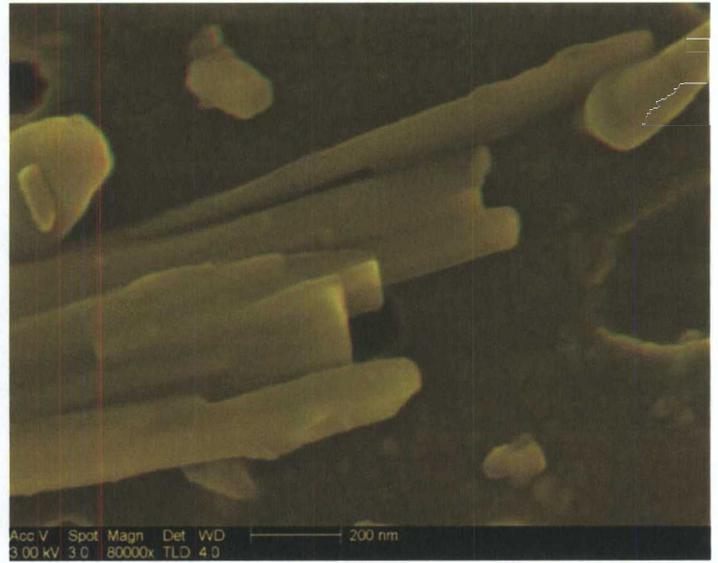


L = 2.6 W = .5 AR = 5:1

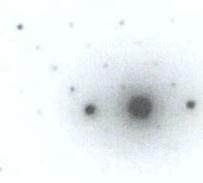
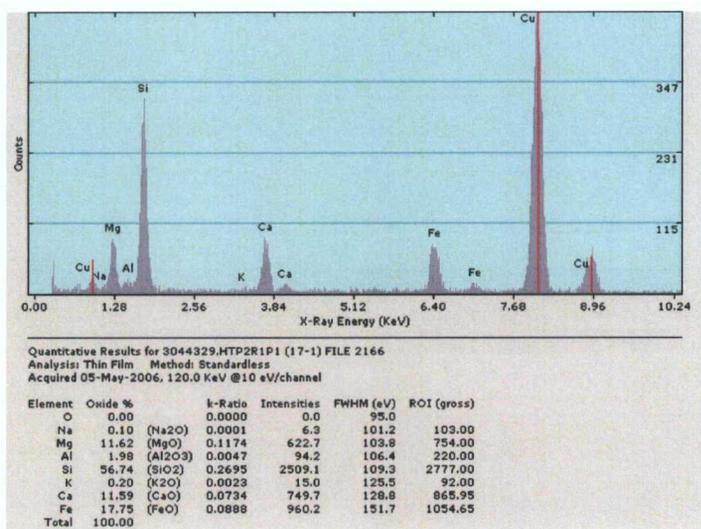
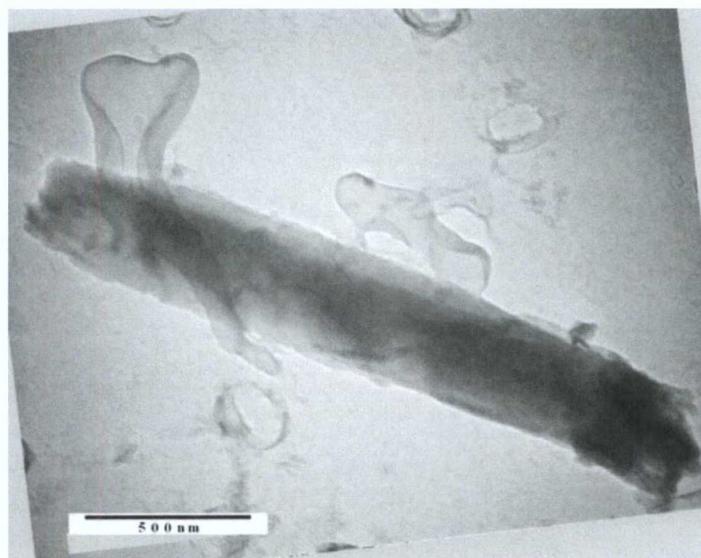
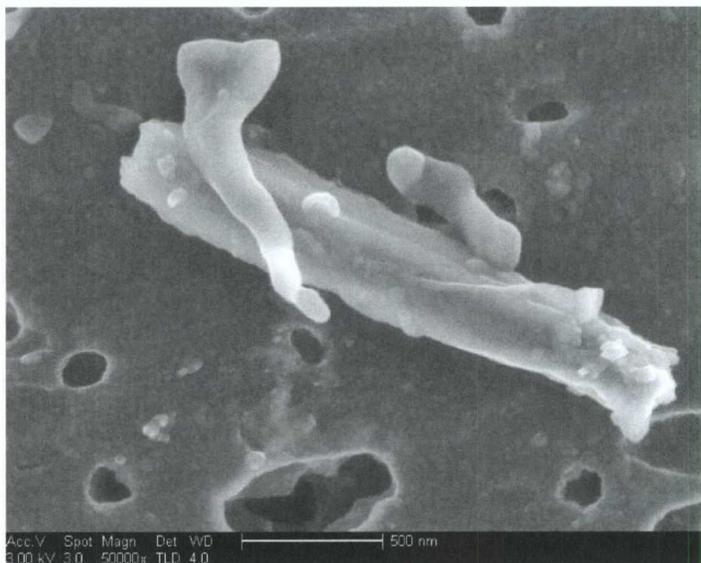
Mineral category: Unknown

Zone	014	D1	4.92
Phi	80.7	D2	3.49

RJLG # 3044329 Field 16, Fiber 1
 NFB-S04-100804-FG2 -- Soil



RJLG # 3044329 Field 16, Fiber 1
NFB-S04-100804-FG2 -- Soil



L = 2 W = .25 AR = 8:1

Mineral category: Amphibole

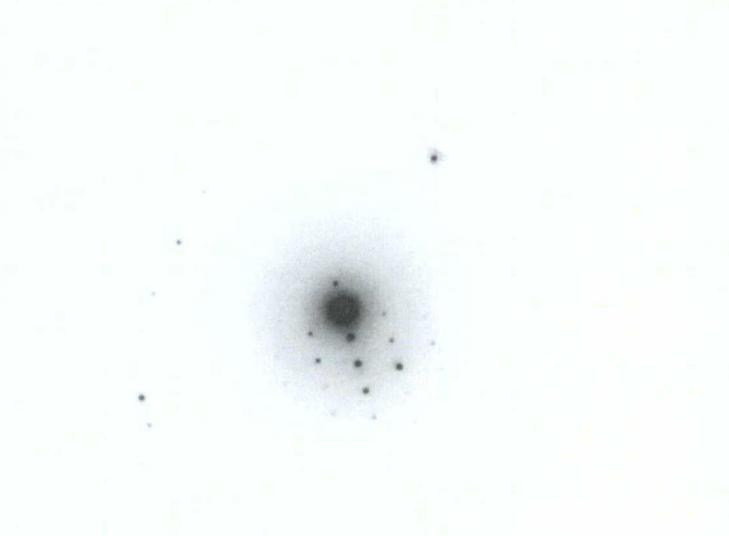
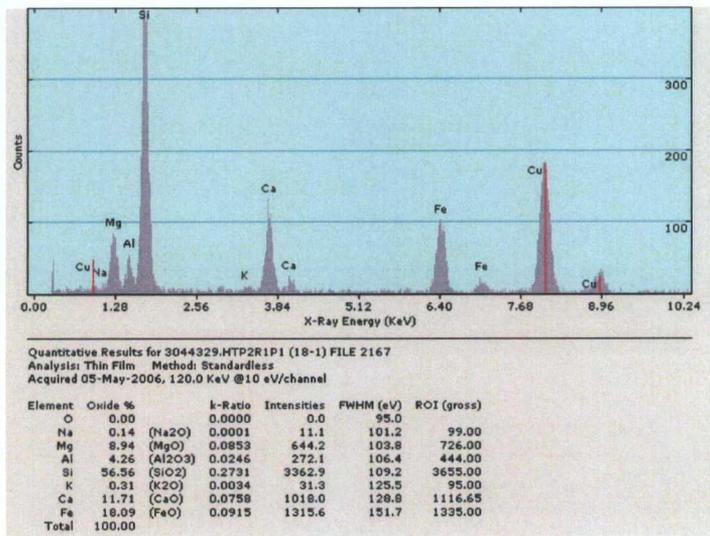
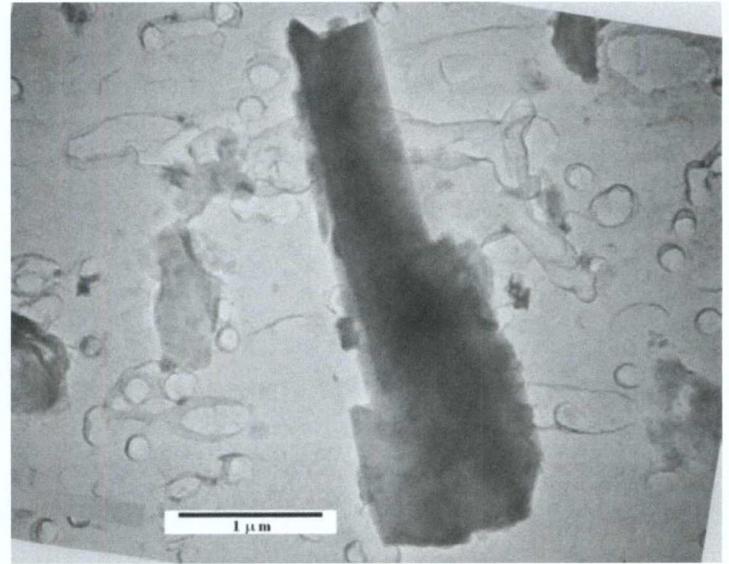
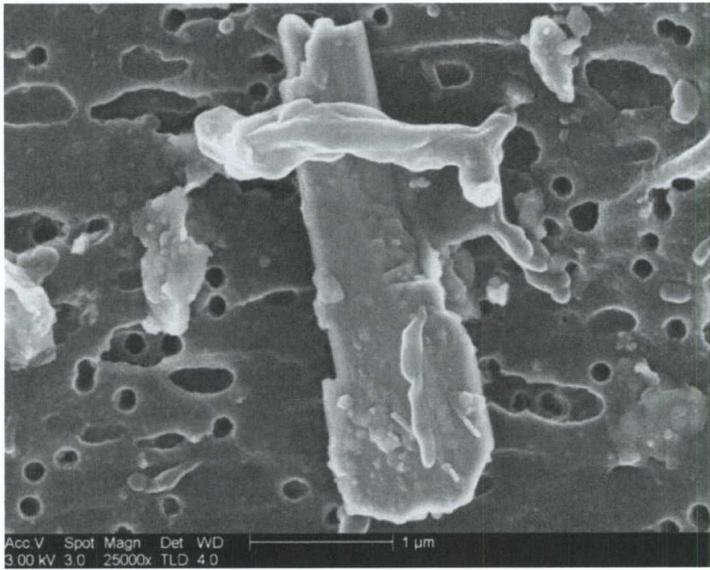
Zone 510

D1 5.13

Phi 83.4

D2 3.44

RJLG # 3044329 Field 17, Fiber 1
 NFB-S04-100804-FG2 -- Soil

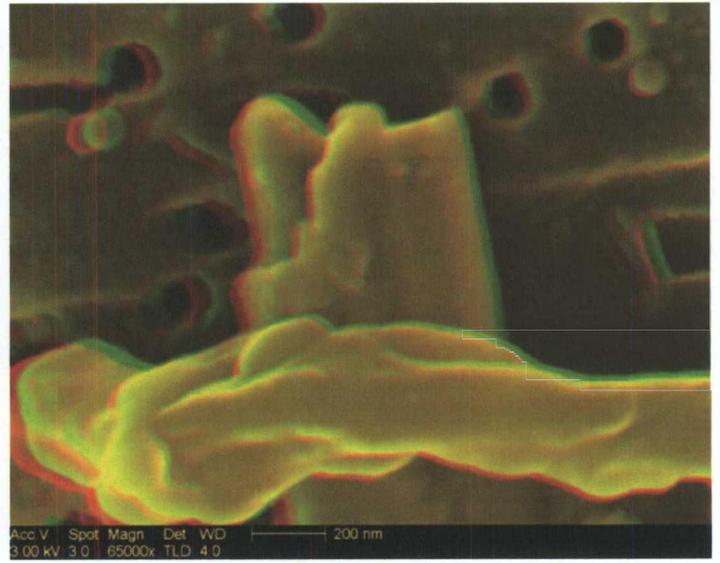
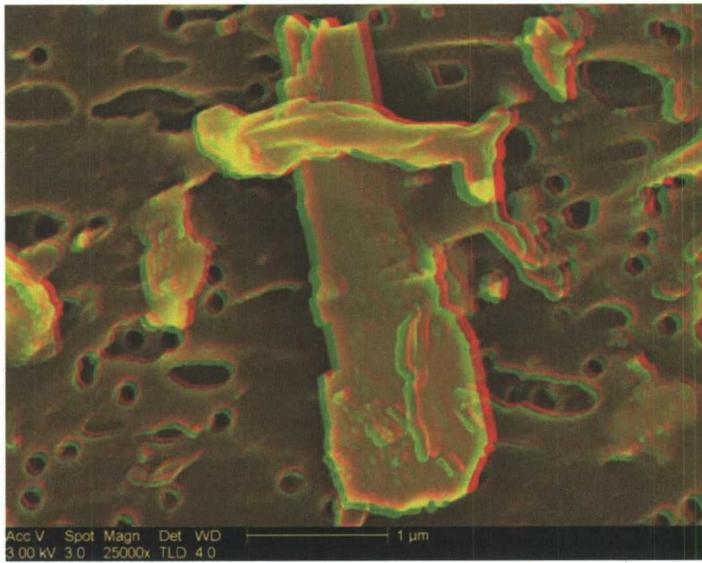


L = 3.2 W = .6 AR = 5:1

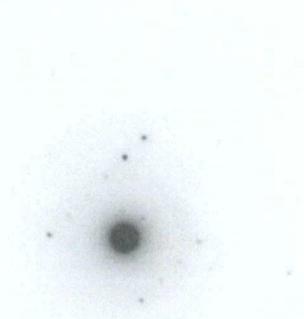
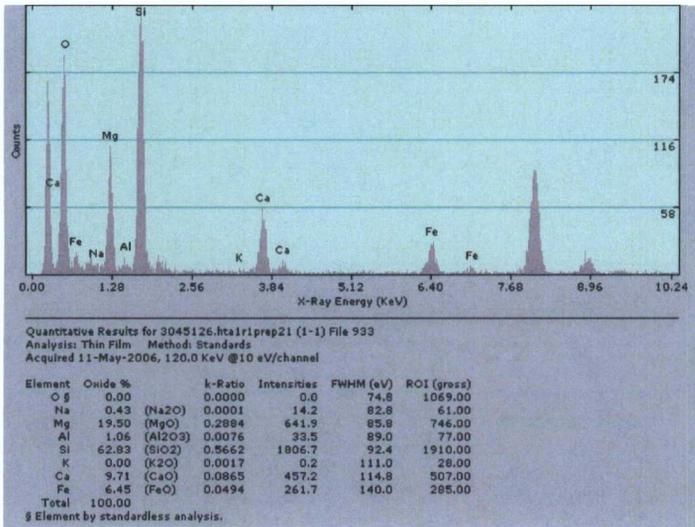
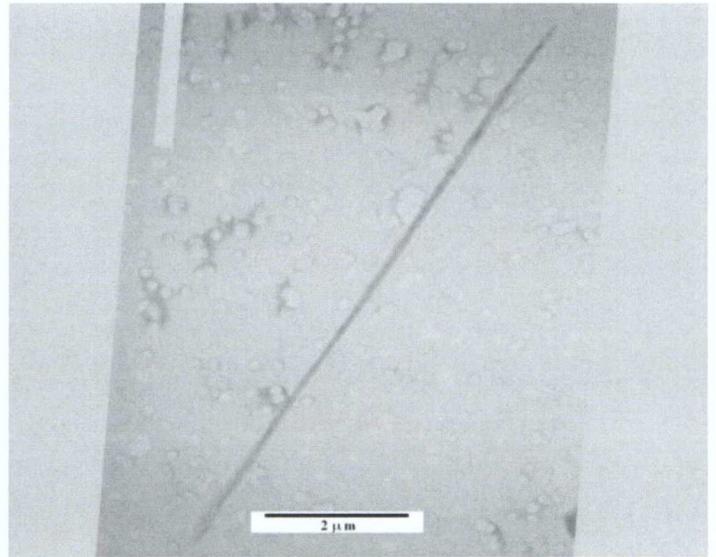
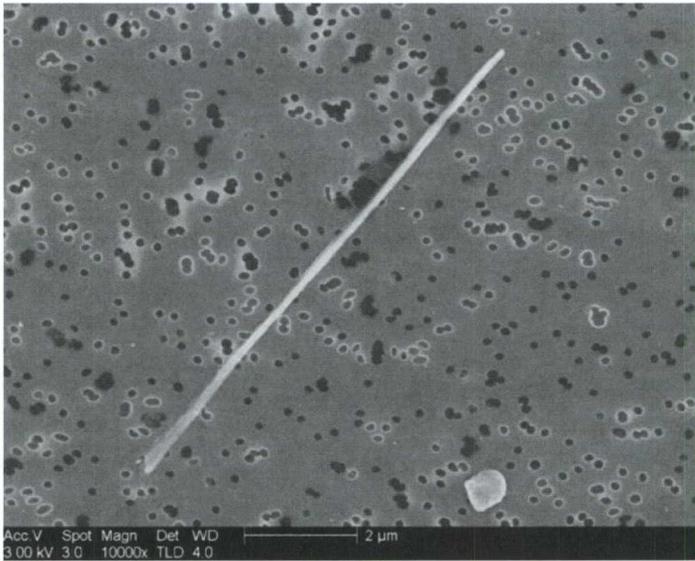
Mineral category: Amphibole

Zone 514 D1 5.02
 Phi 69.1 D2 3.41

RJLG # 3044329 Field 18, Fiber 1
 NFB-S04-100804-FG2 -- Soil



RJLG # 3044329 Field 18, Fiber 1
NFB-S04-100804-FG2 -- Soil



L = 11.75 W = .15 AR = 78:1

Mineral category: Amphibole

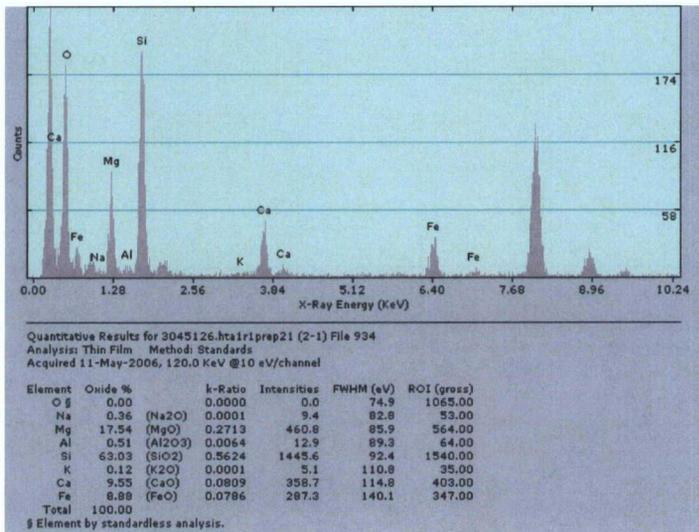
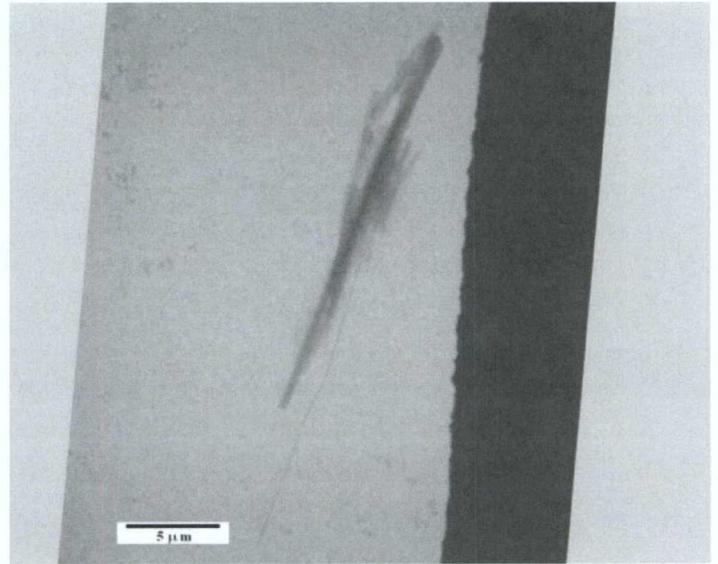
Zone 311

D1 5.21

Phi 85

D2 2.49

RJLG # 3045126 Field 1, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 21 W = .1 AR = 210:1

Mineral category: Amphibole

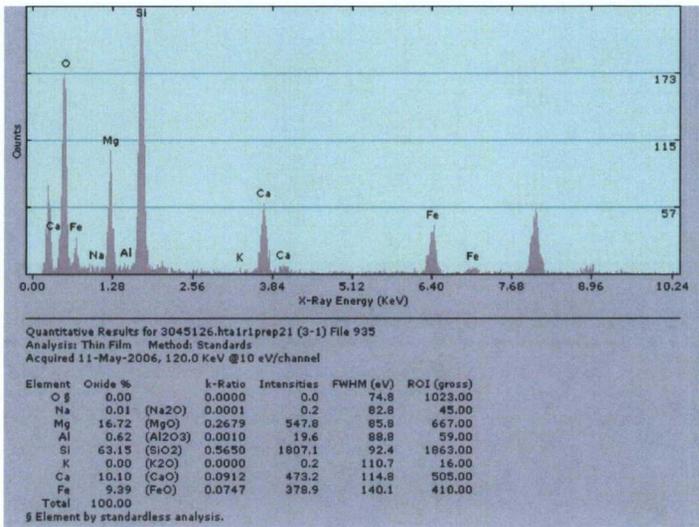
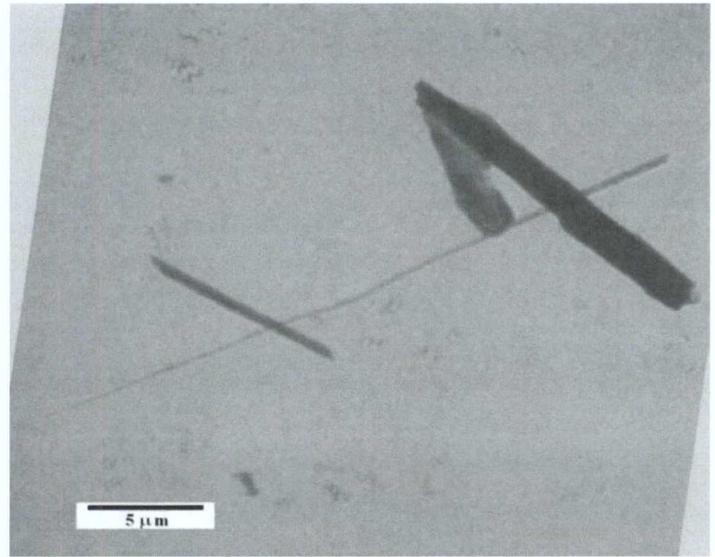
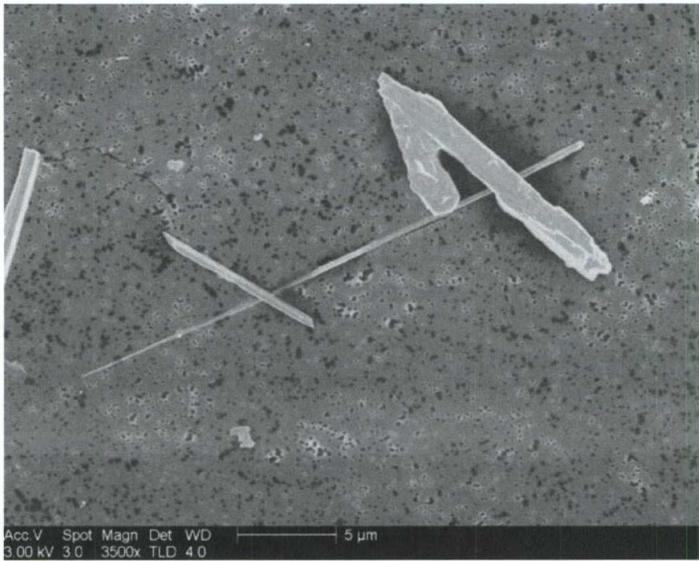
Zone 100

Phi 89.3

D1 9.2

D2 5.18

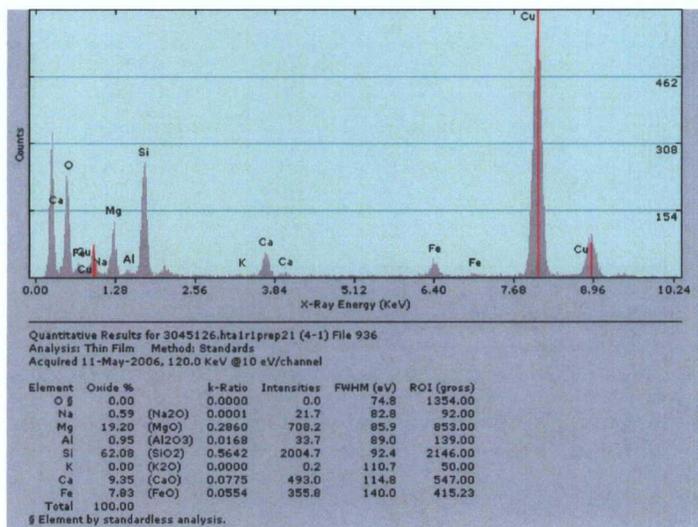
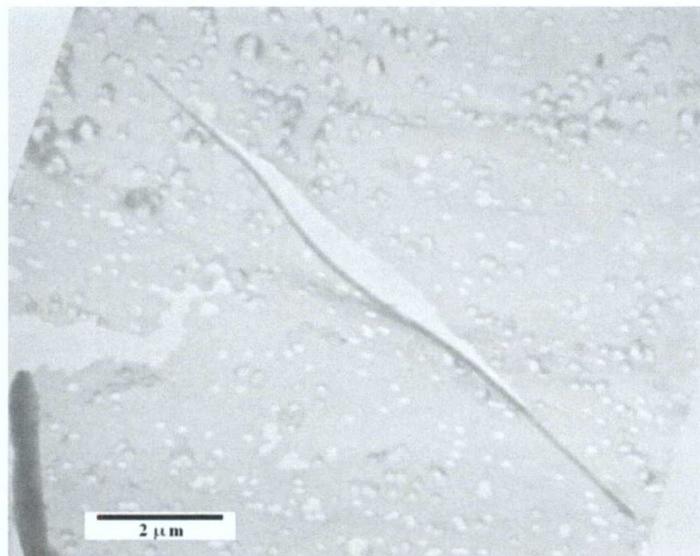
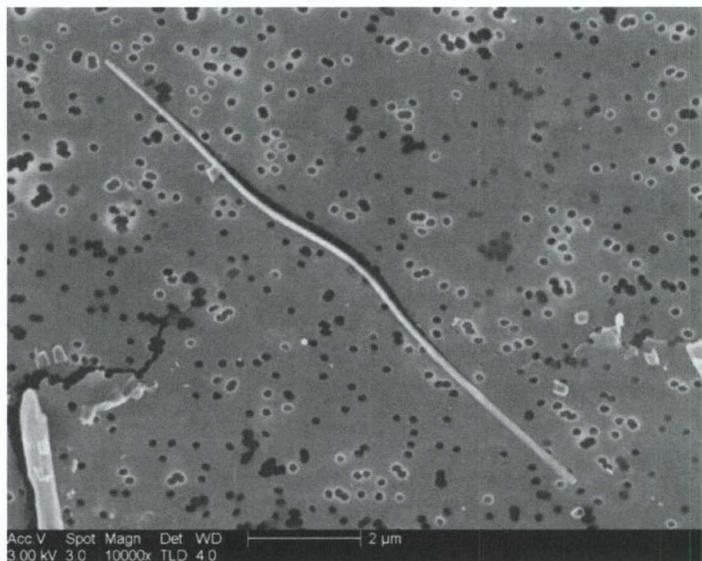
RJLG # 3045126 Field 2, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 26.75 W = .3 AR = 89:1
 Mineral category: Amphibole

Zone 310 D1 5.21
 Phi 81.5 D2 5.18

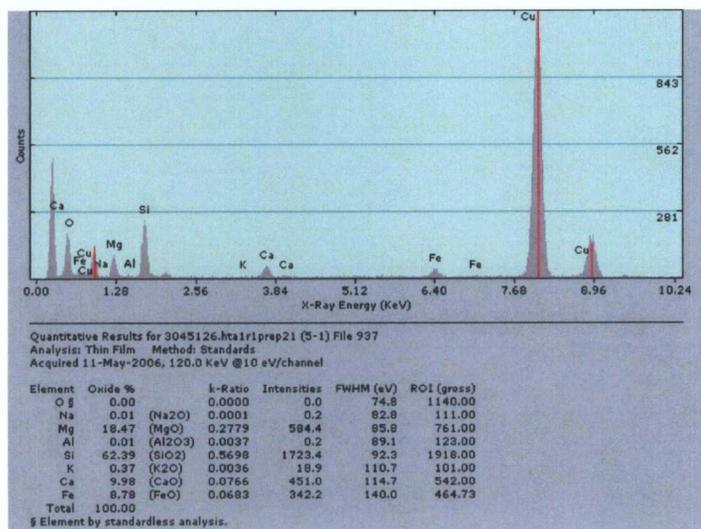
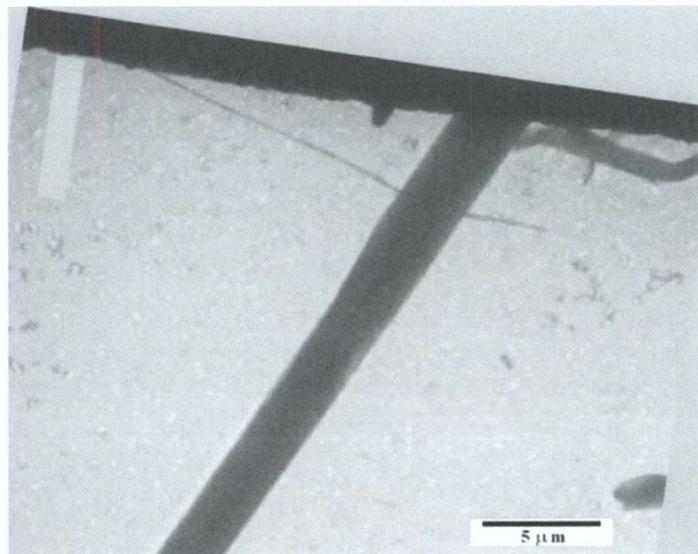
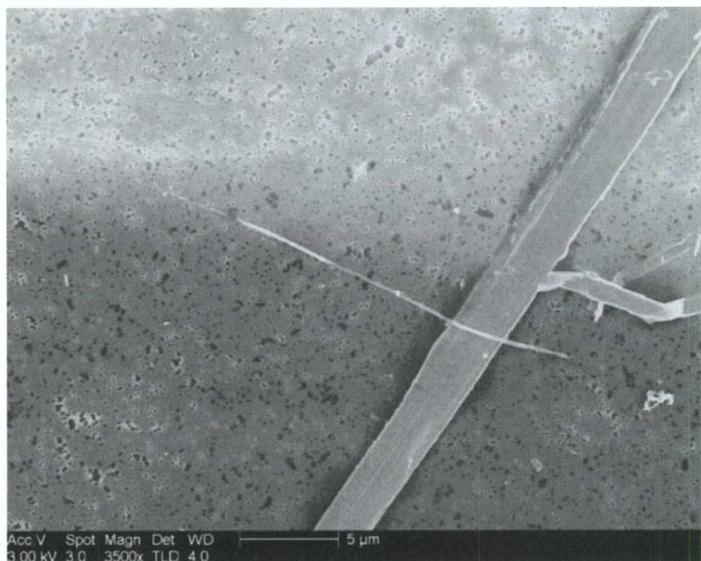
RJLG # 3045126 Field 3, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 13.5 W = .1 AR = 135:1
 Mineral category: Amphibole

Zone 112 D1 8.61
 Phi 84.2 D2 4.89

RJLG # 3045126 Field 4, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way

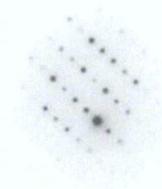
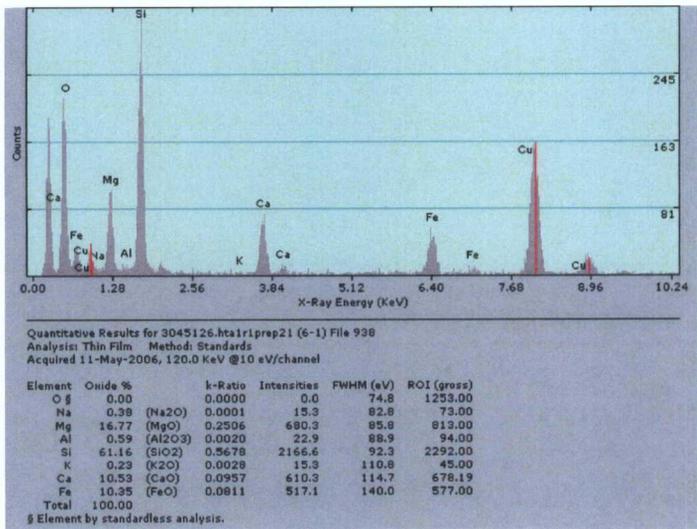
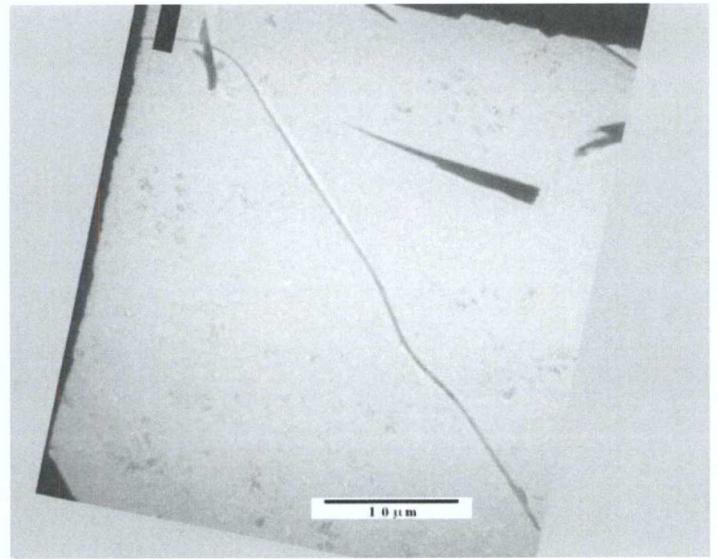
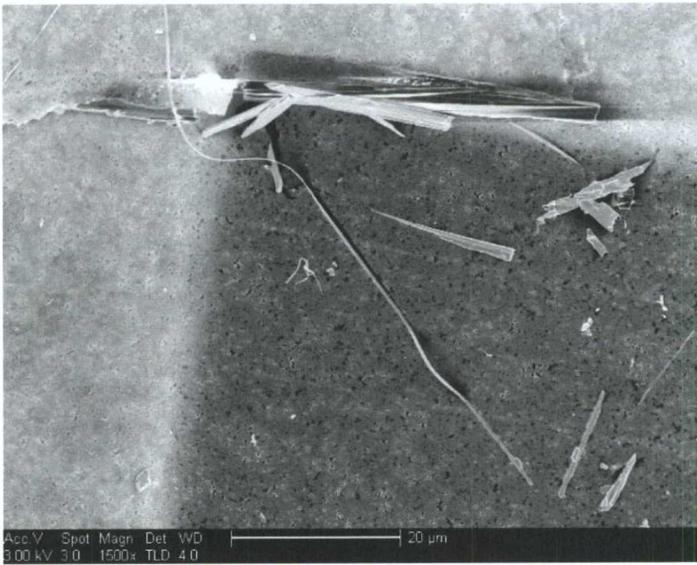


L = 19.25 W = .2 AR = 96:1

Mineral category: Amphibole

Zone	100	D1	9.28
Phi	89.1	D2	5.21

RJLG # 3045126 Field 5, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way

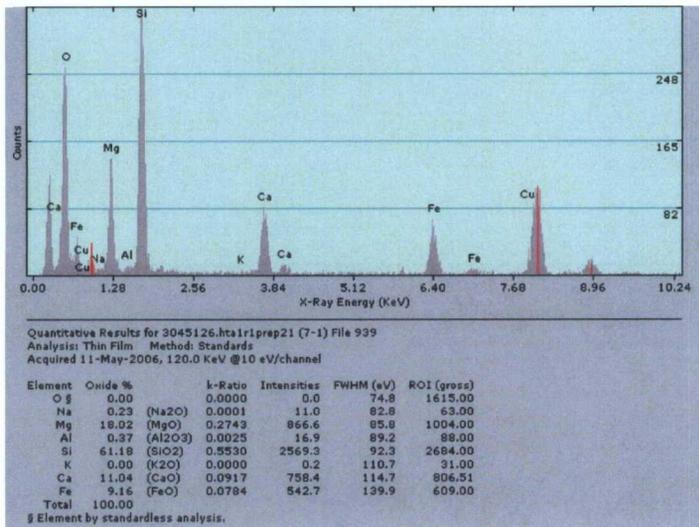
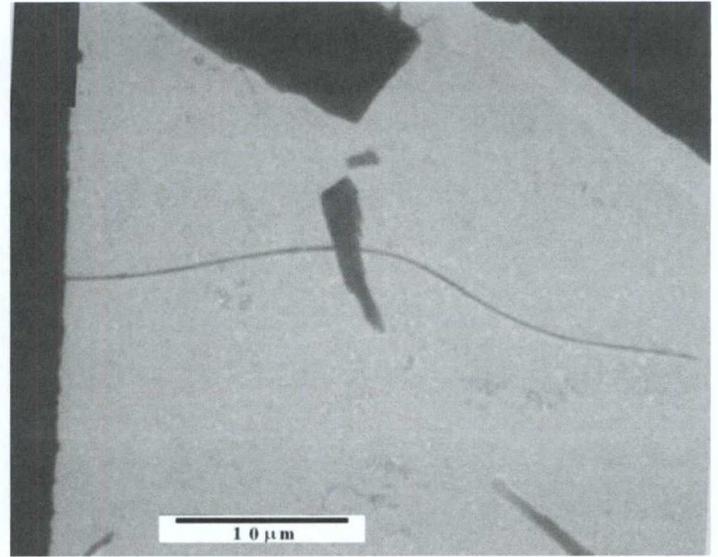
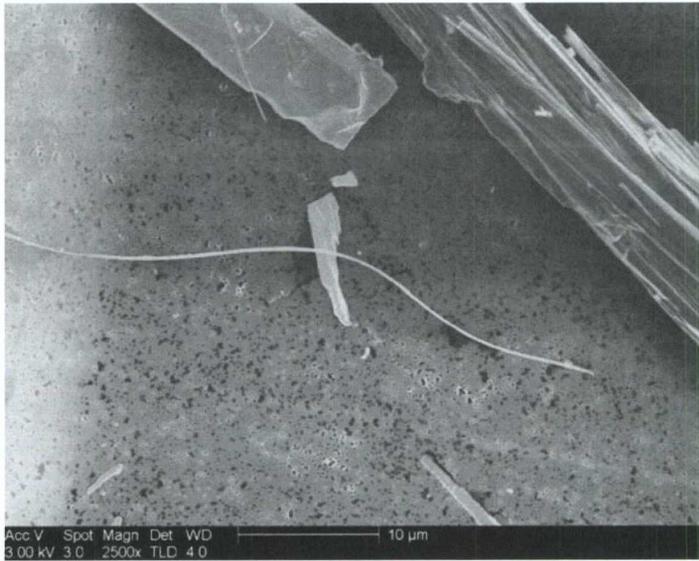


L = 19.25 W = .2 AR = 96:1

Mineral category: Amphibole

Zone	100	D1	9.23
Phi	88.9	D2	5.14

RJLG # 3045126 Field 6, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 139.25 W = .4 AR = 348:1

Mineral category: Amphibole

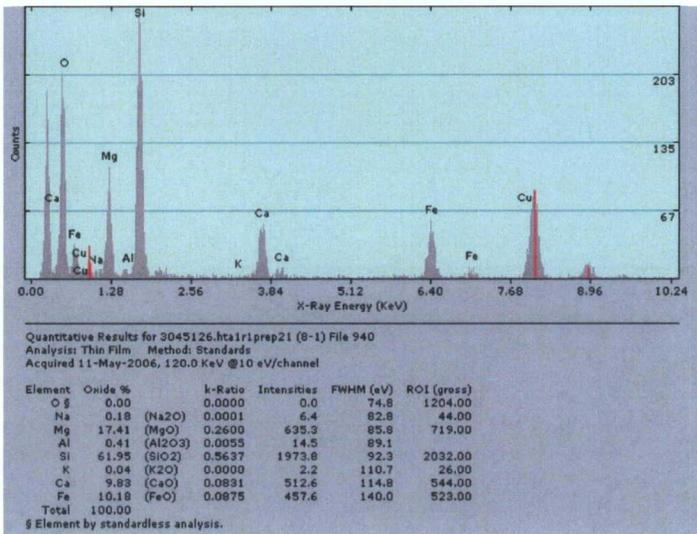
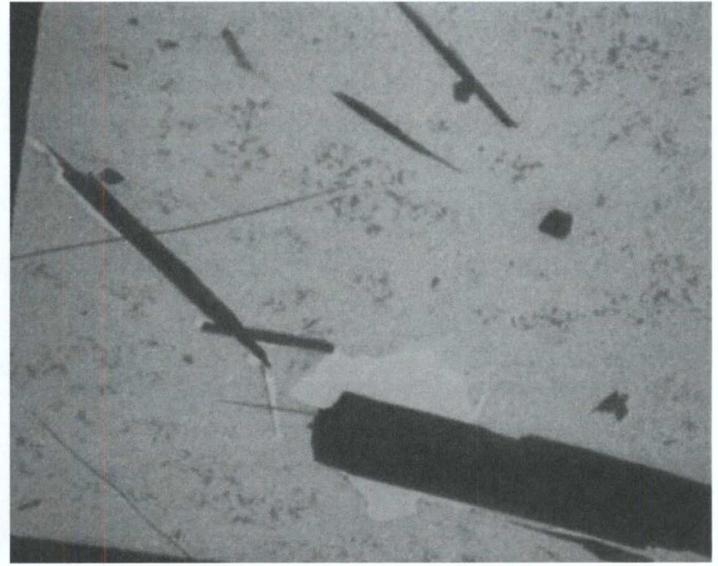
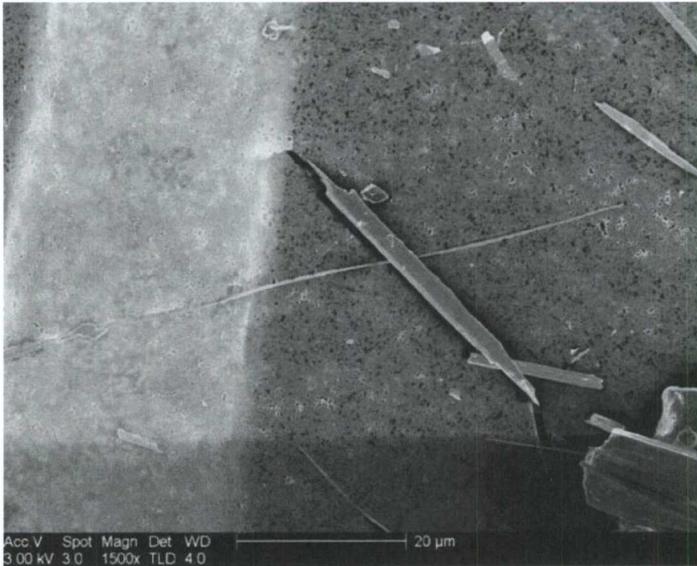
Zone 201

Phi 82.6

D1 9.2

D2 2.69

RJLG # 3045126 Field 7, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way

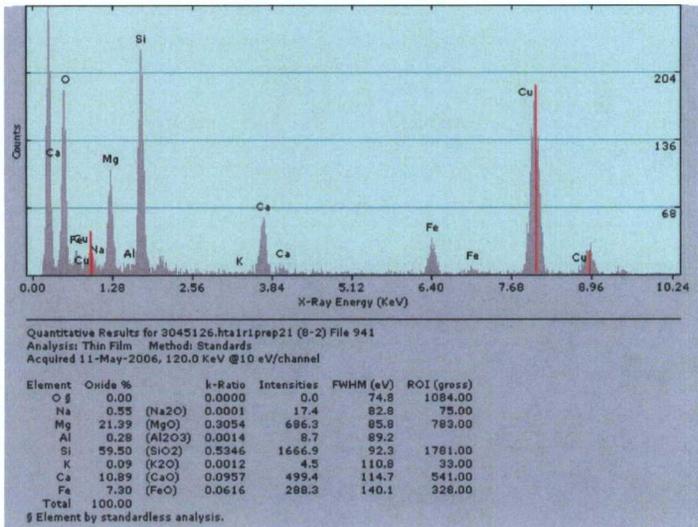
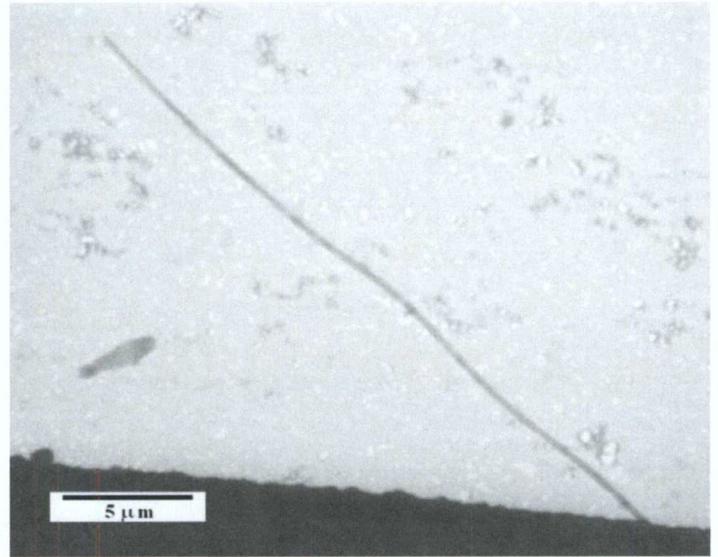
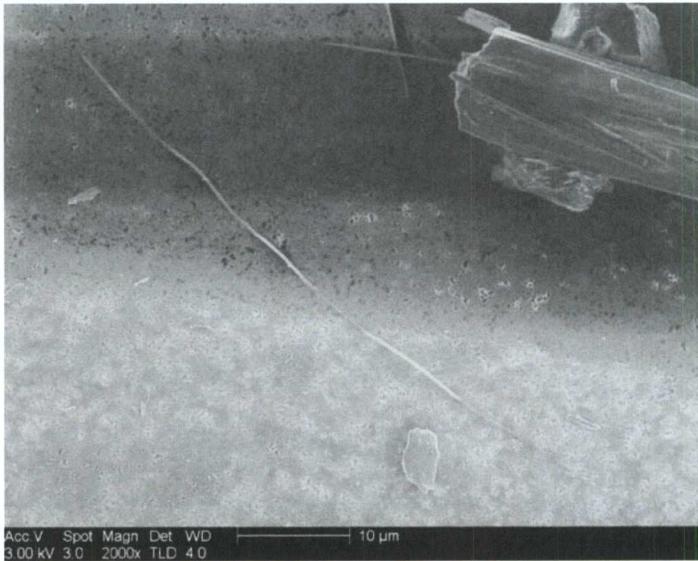


L = 41.25 W = .45 AR = 92:1

Mineral category: Amphibole

Zone	201	D1	9.18
Phi	81.2	D2	2.64

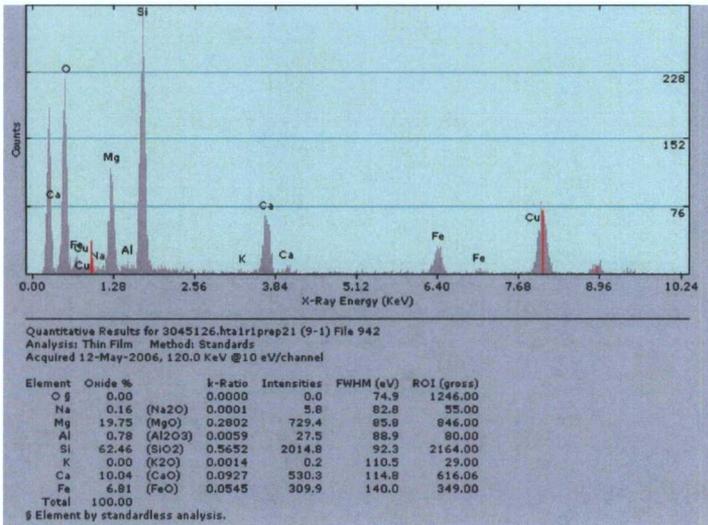
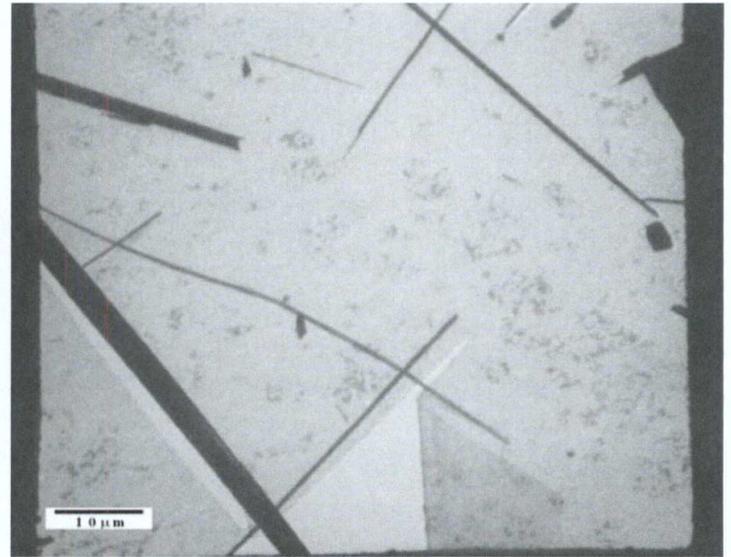
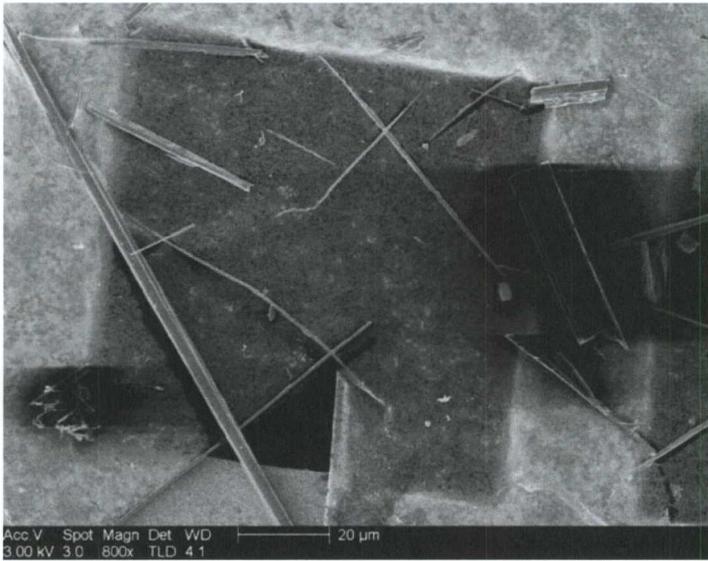
RJLG # 3045126 Field 8, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 17.25 W = .25 AR = 69:1
 Mineral category: Amphibole

Zone 301 D1 9.11
 Phi 82.8 D2 1.78

RJLG # 3045126 Field 8, Fiber 2
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way

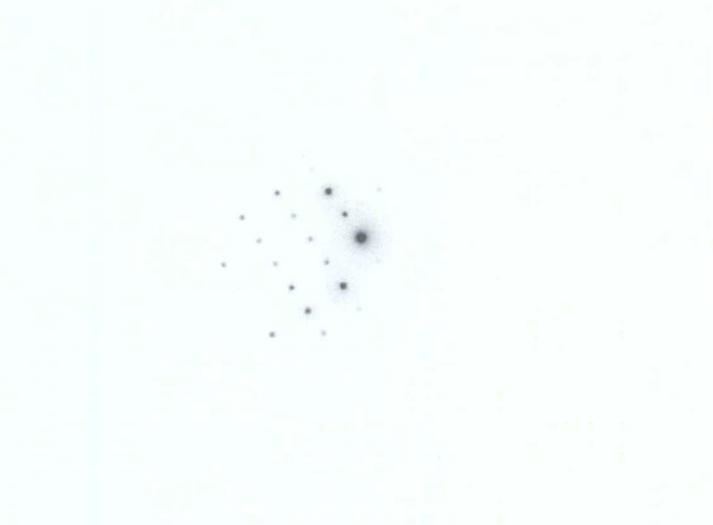
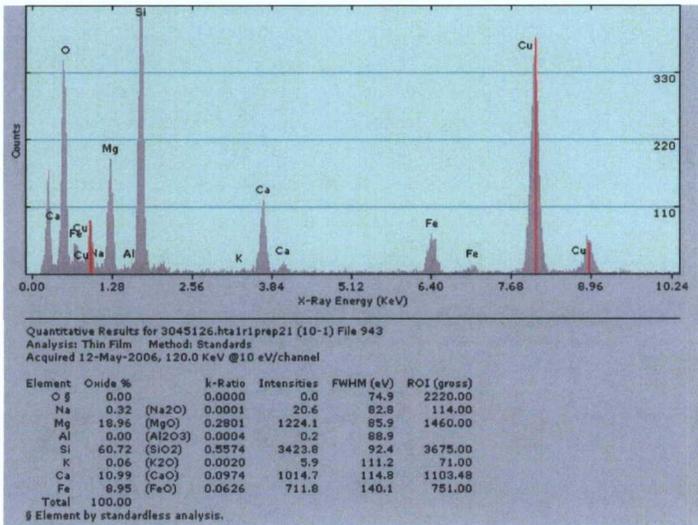
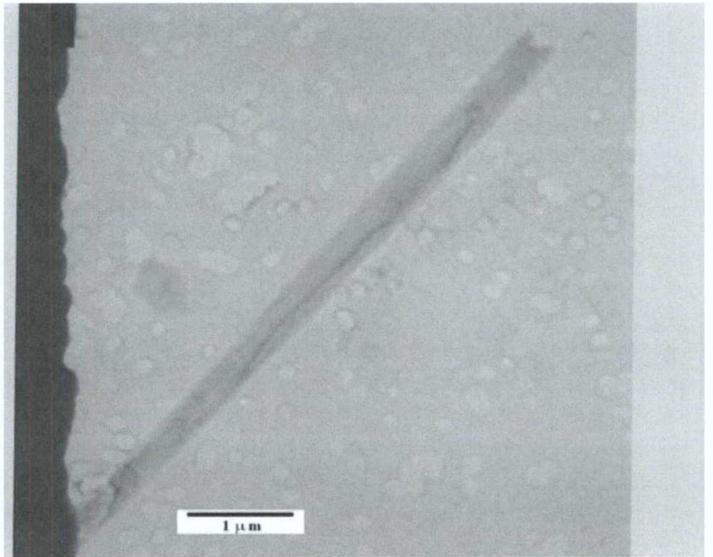
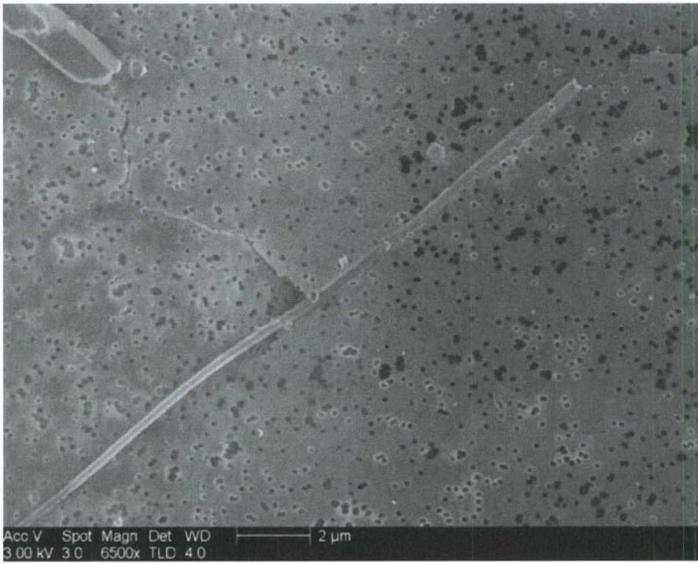


L = 90.25 W = .9 AR = 100:1

Mineral category: Amphibole

Zone	201	D1	9.09
Phi	81.2	D2	2.62

RJLG # 3045126 Field 9, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 8 W = .45 AR = 18:1

Mineral category: Amphibole

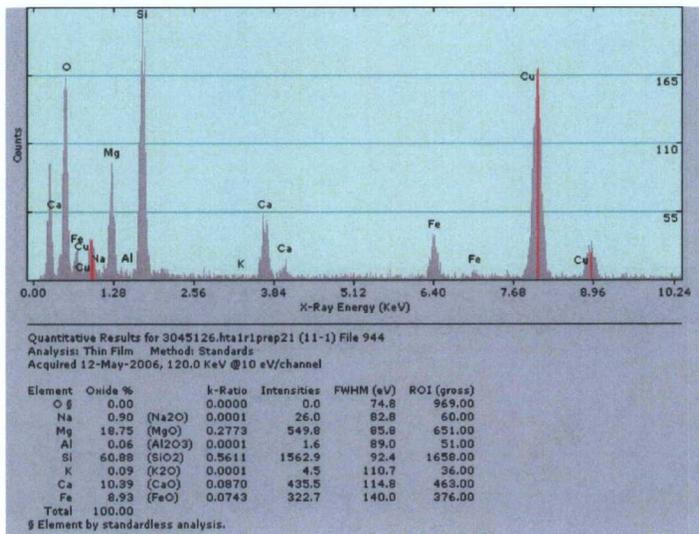
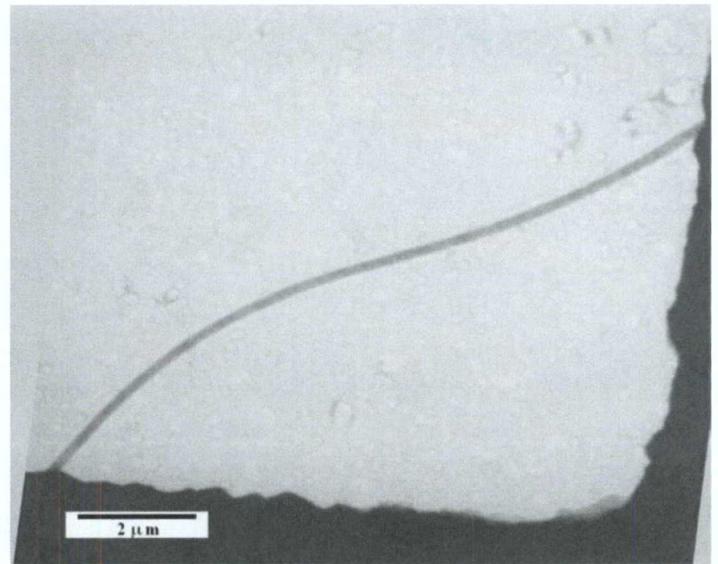
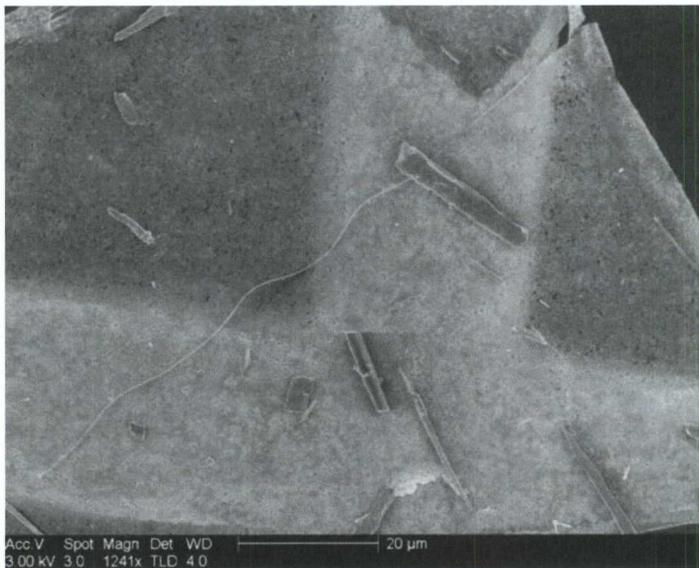
Zone 213

D1 5.01

Phi 89.4

D2 3.31

RJLG # 3045126 Field 10, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 14.5 W = .2 AR = 73:1

Mineral category: Amphibole

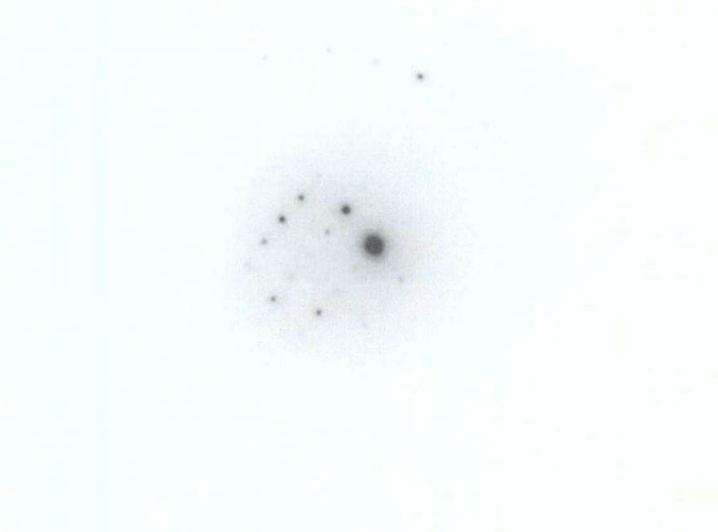
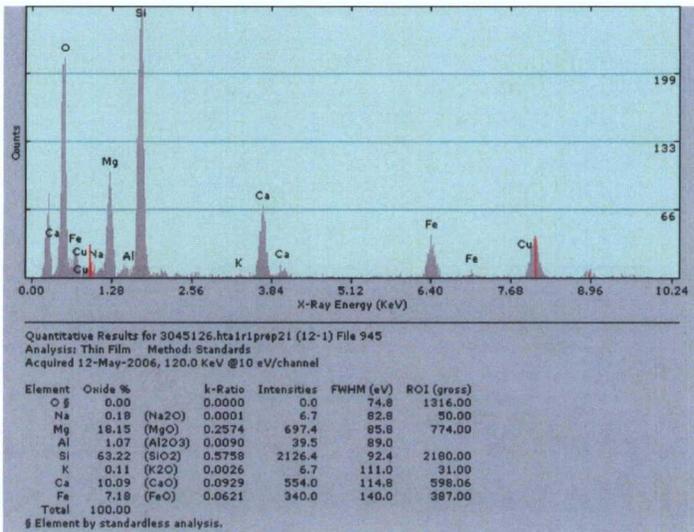
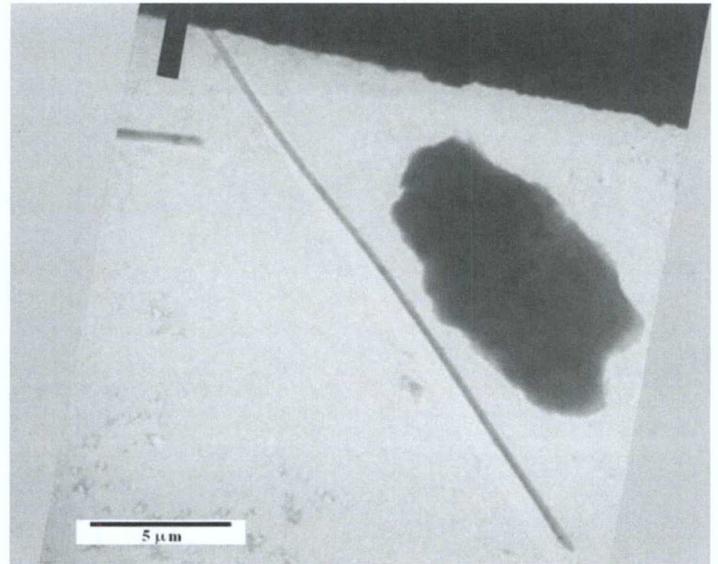
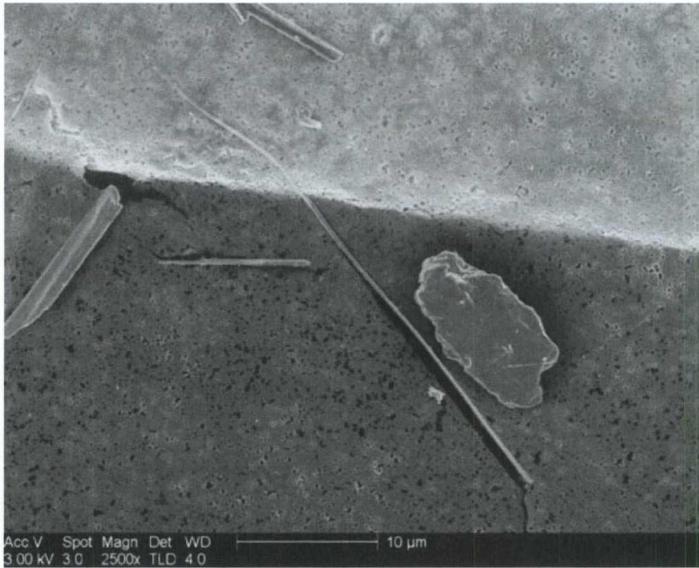
Zone 210

D1 5.2

Phi 80.2

D2 3.32

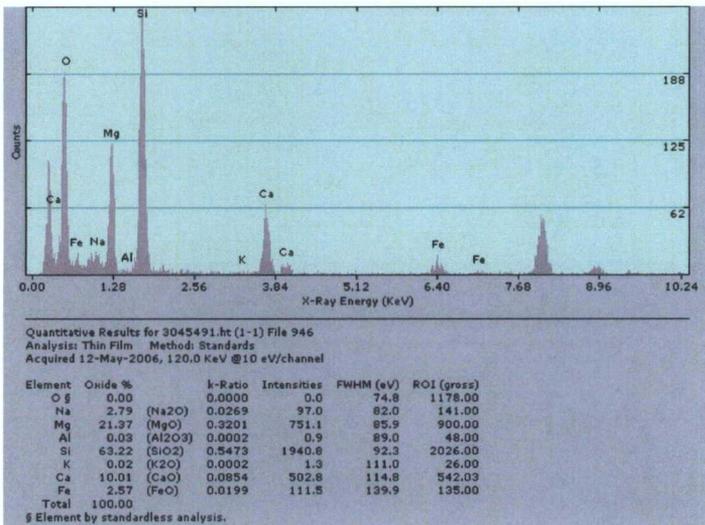
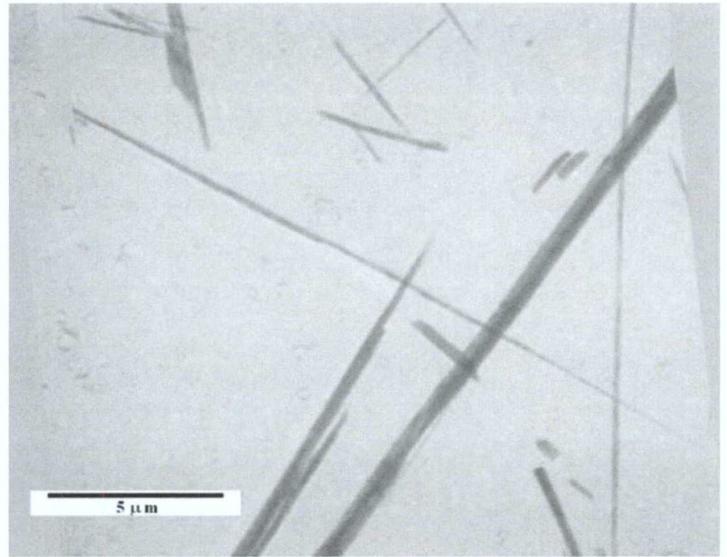
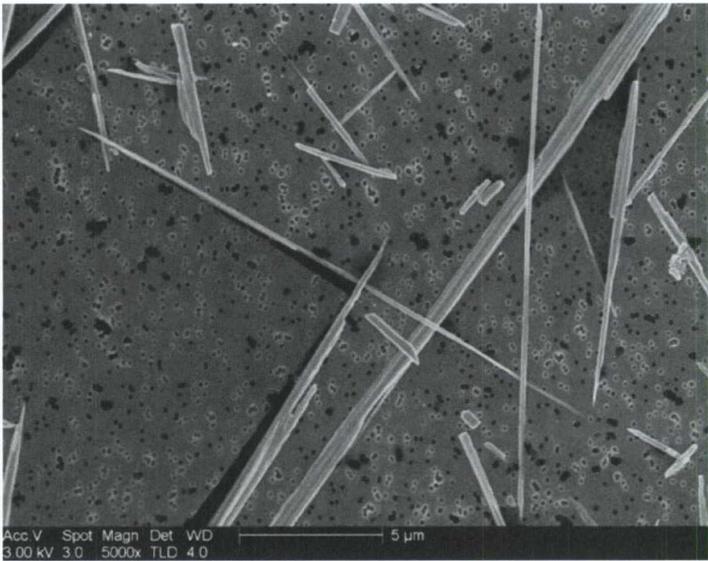
RJLG # 3045126 Field 11, Fiber 1
 Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 30.5 W = .3 AR = 102:1
Mineral category: Amphibole

Zone 210 D1 4.95
Phi 78.2 D2 3.18

RJLG # 3045126 Field 12, Fiber 1
Rock Outcrop next to Building Air Conditioner -- 1021 Harvard Way



L = 24.25 W = .2 AR = 121:1

Mineral category: Amphibole

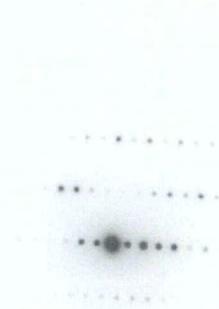
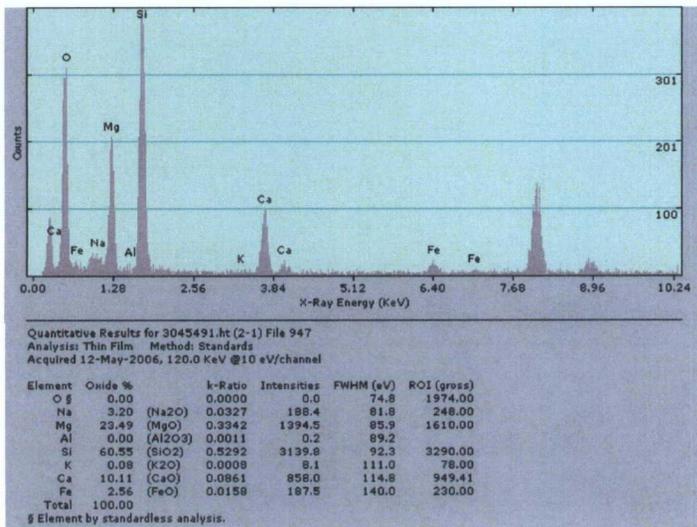
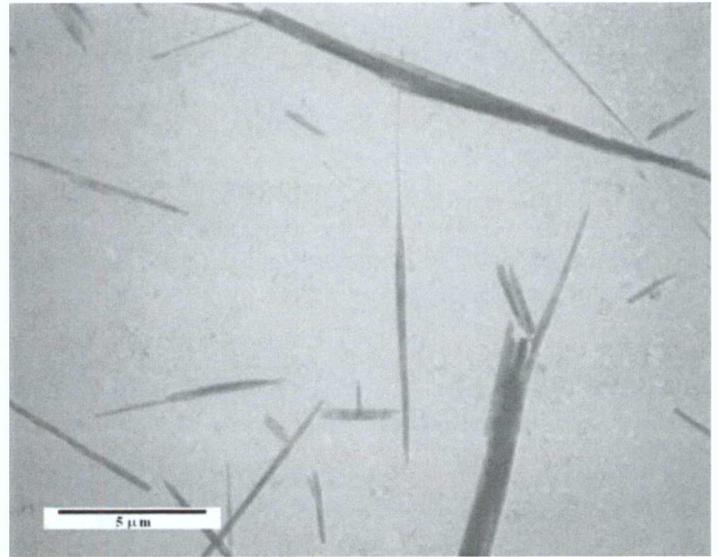
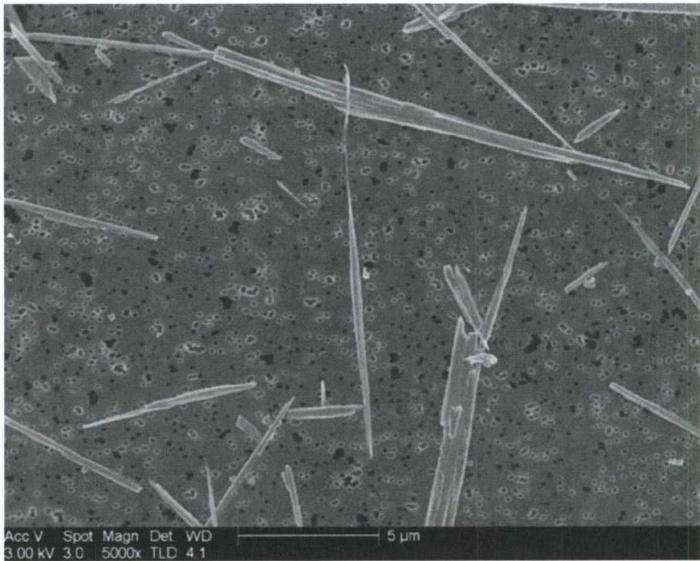
Zone 3-10

D1 5.2

Phi 80.9

D2 5.18

RJLG # 3045491 Field 1, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766

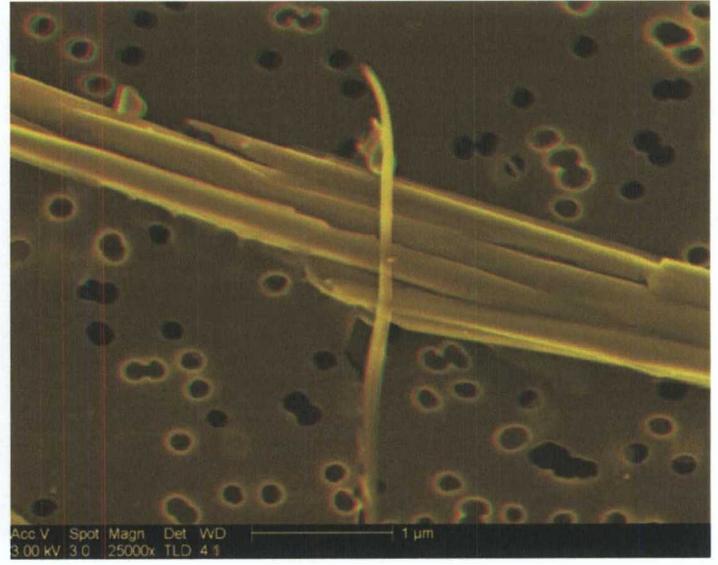
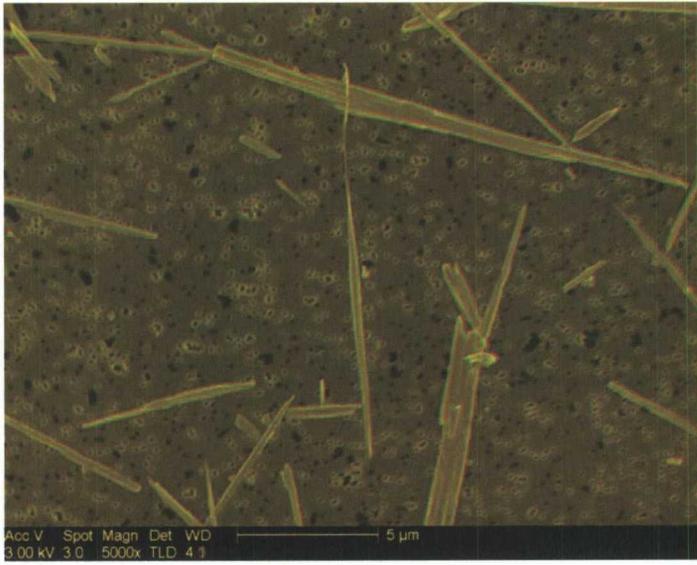


L = 16.25 W = .3 AR = 54:1

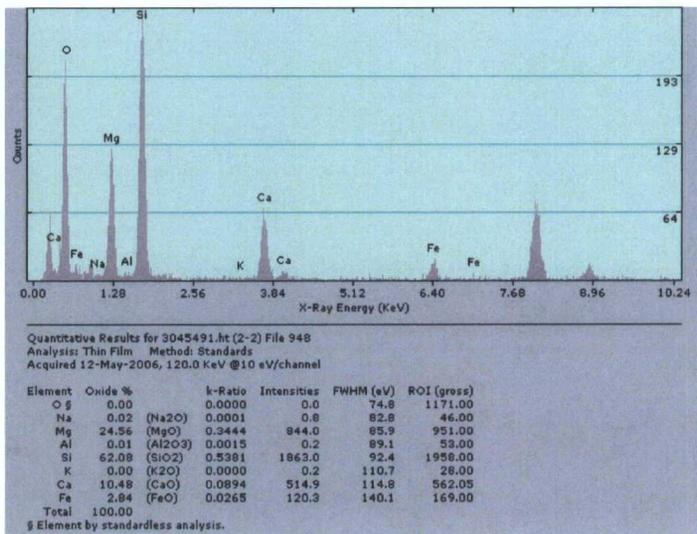
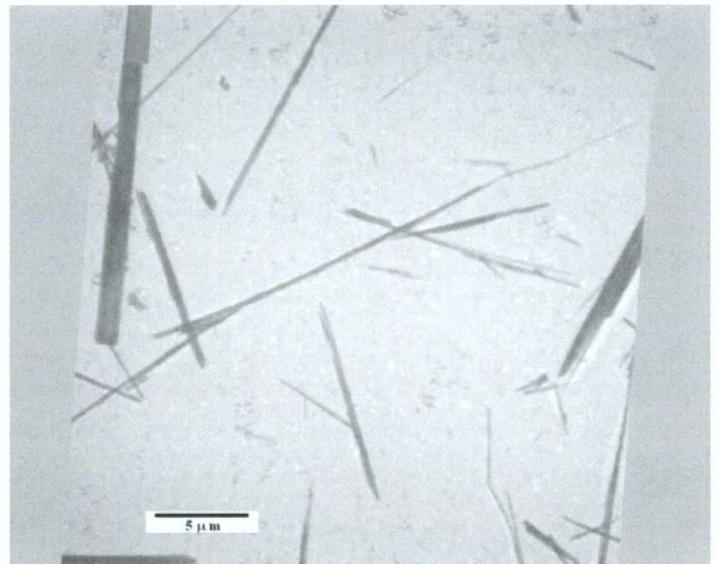
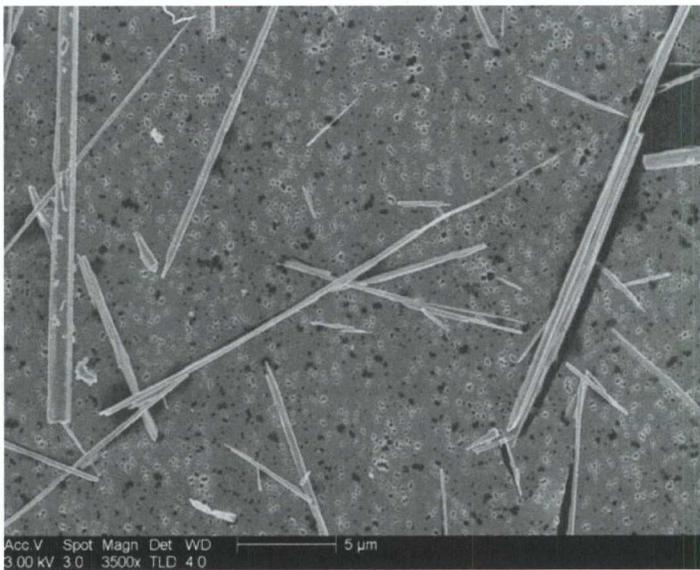
Mineral category: Amphibole

Zone	201	D1	9.15
Phi	82.2	D2	2.62

RJLG # 3045491 Field 2, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



RJLG # 3045491 Field 2, Fiber 1
San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766

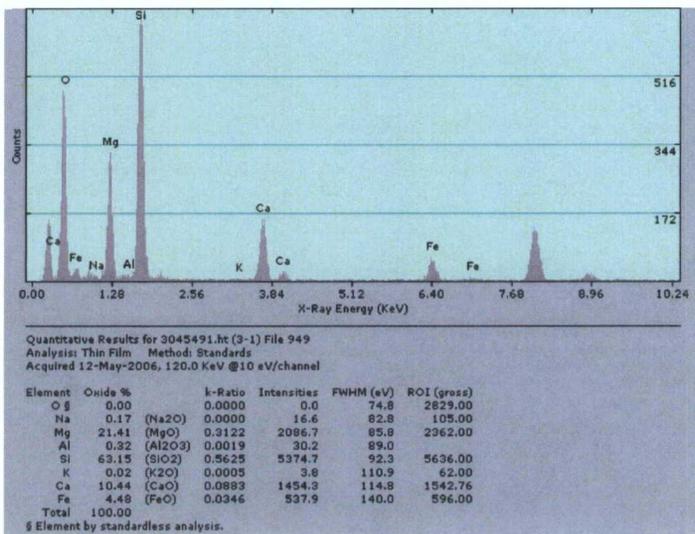
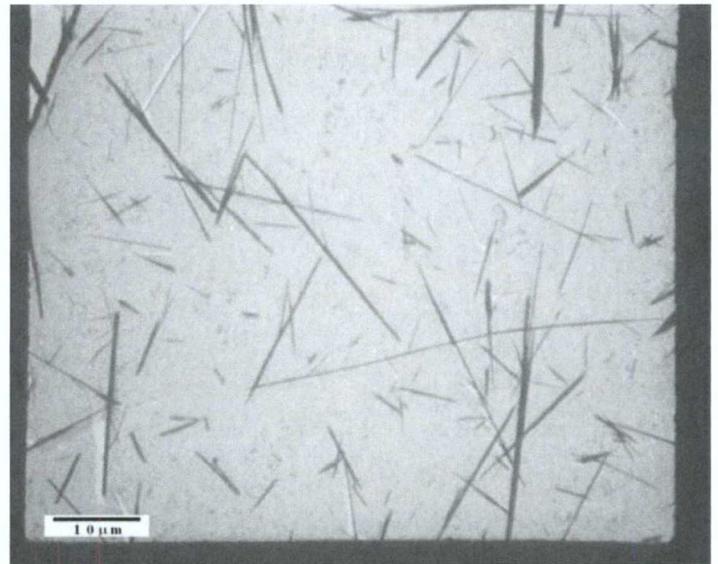
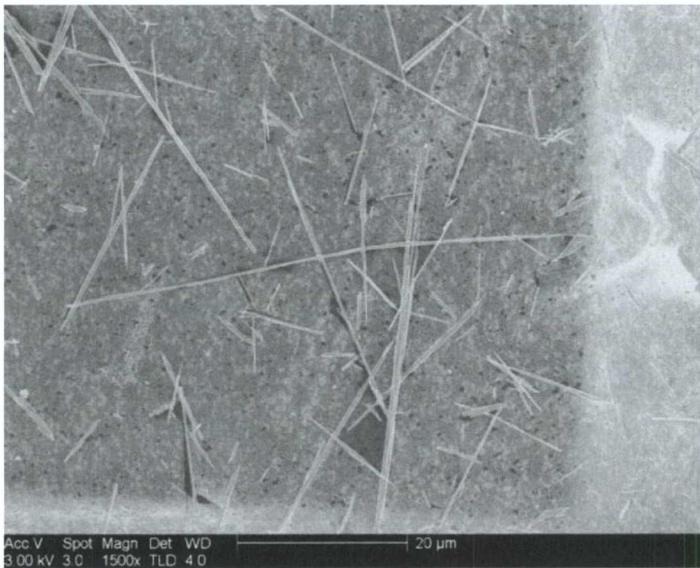


L = 30.25 W = .2 AR = 151:1

Mineral category: Amphibole

Zone	201	D1	9.23
Phi	81.3	D2	2.68

RJLG # 3045491 Field 2, Fiber 2
San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



L = 65.5 W = .5 AR = 131:1

Mineral category: Amphibole

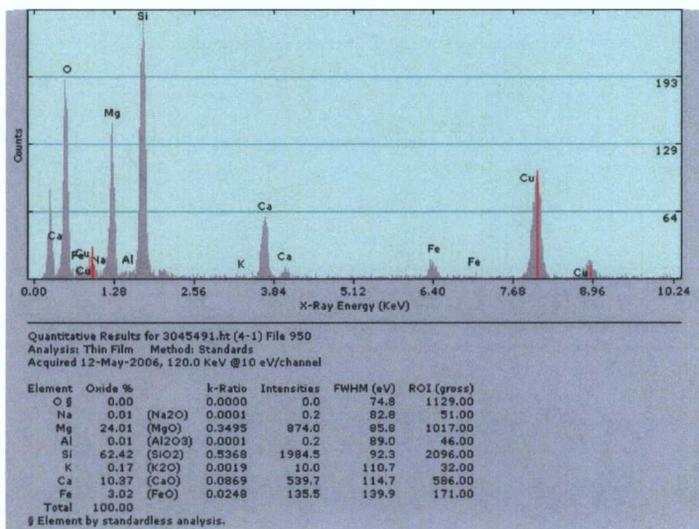
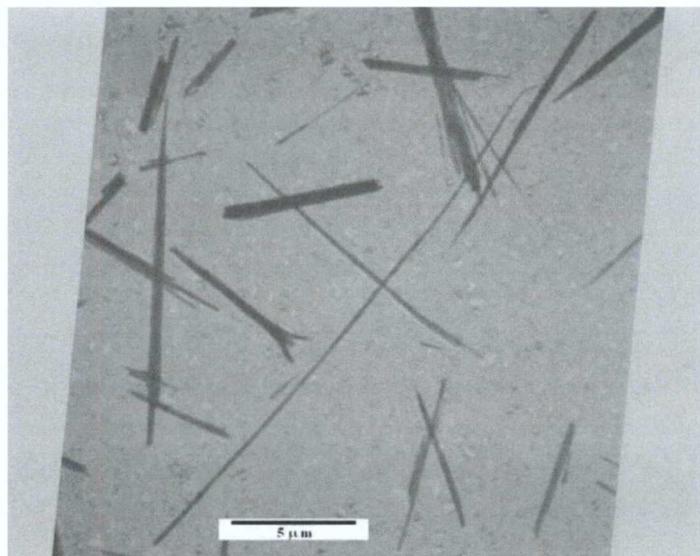
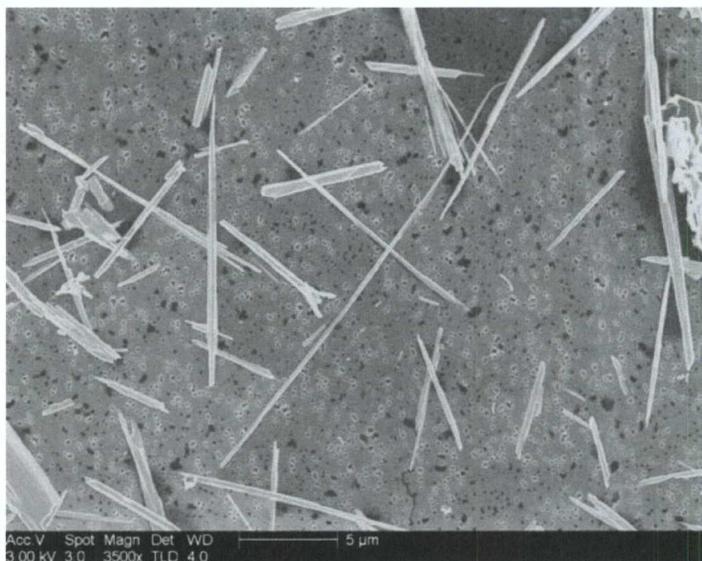
Zone 201

D1 9.31

Phi 81.5

D2 2.68

RJLG # 3045491 Field 3, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766

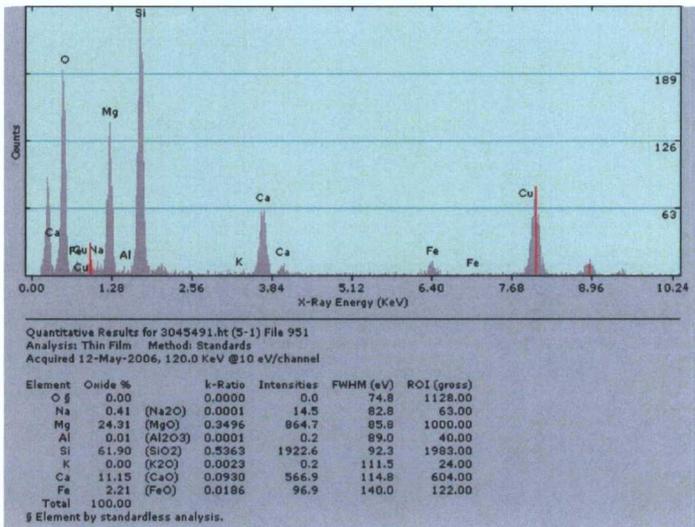
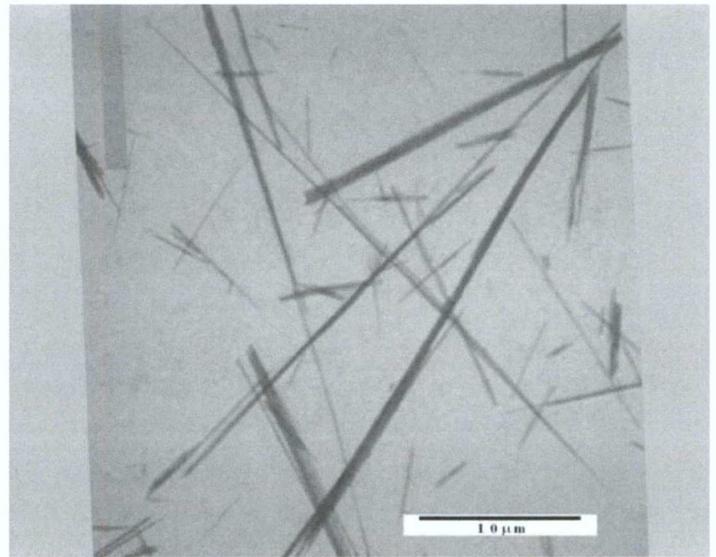
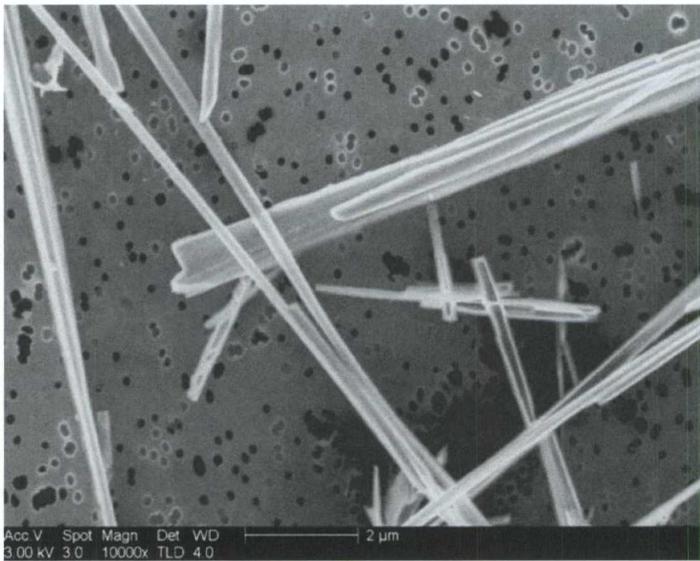


SAED not measured

L = 27 W = .25 AR = 108:1

Mineral category: Amphibole

RJLG # 3045491 Field 4, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



L = 40.5 W = .4 AR = 101:1

Mineral category: Amphibole

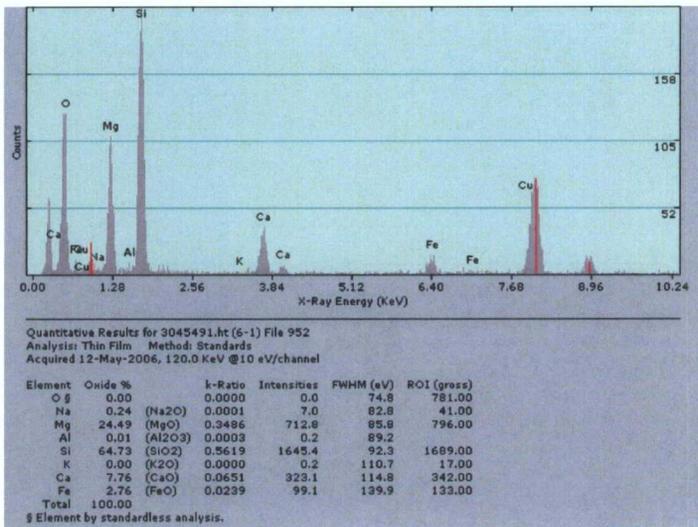
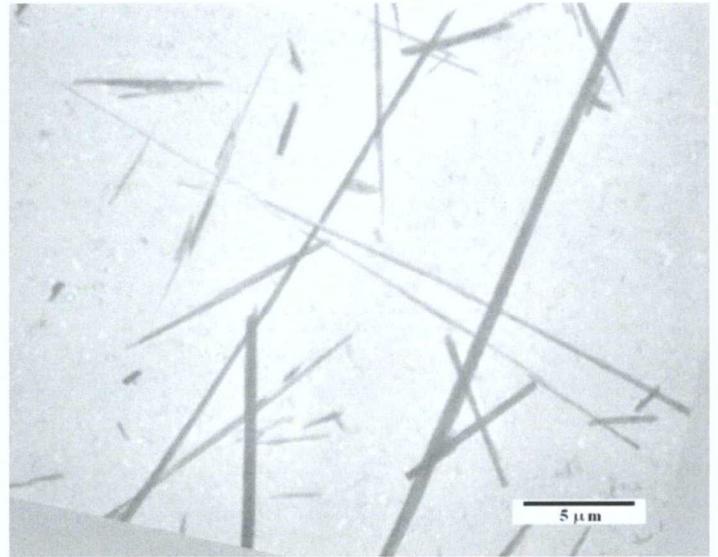
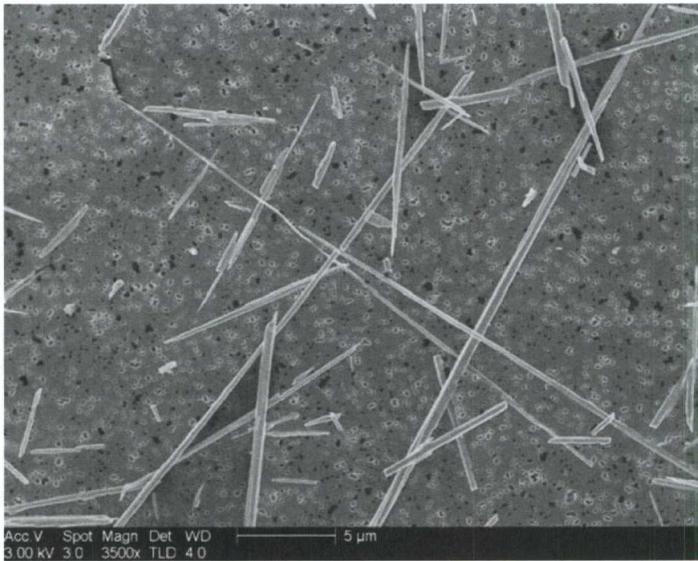
Zone 1-15

D1 8.58

Phi 87.8

D2 1.76

RJLG # 3045491 Field 5, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766

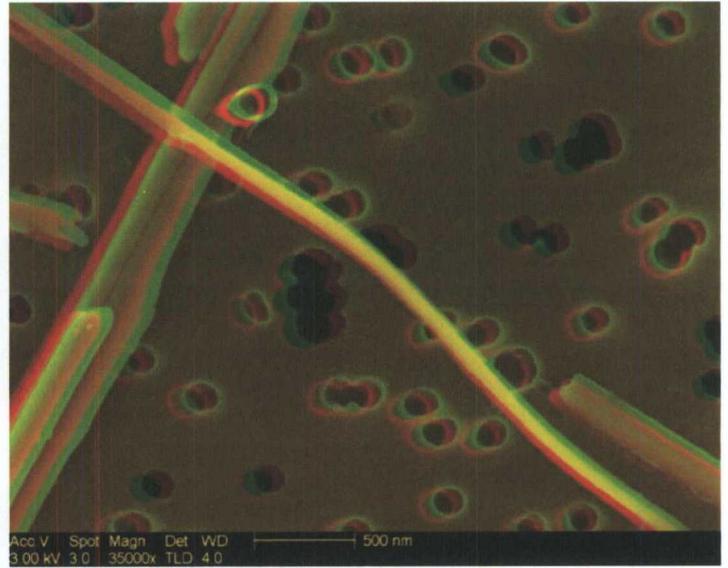
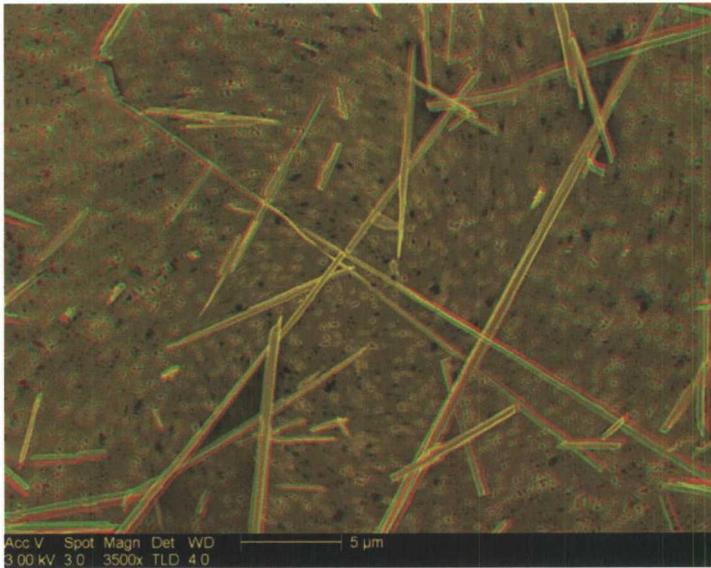


SAED not measured

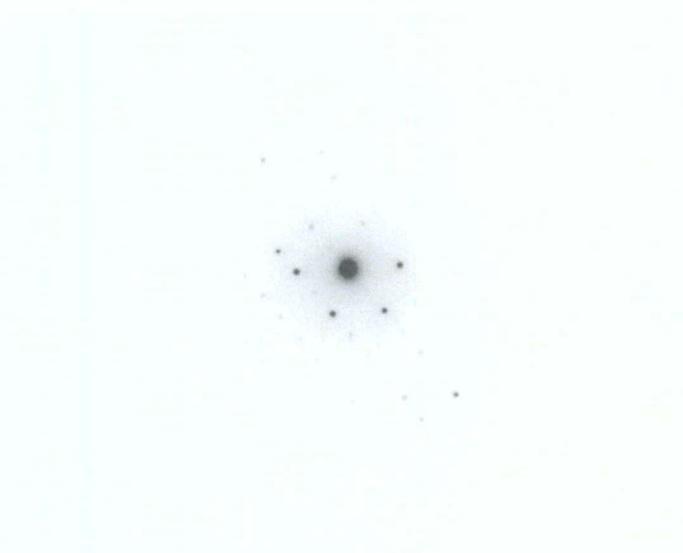
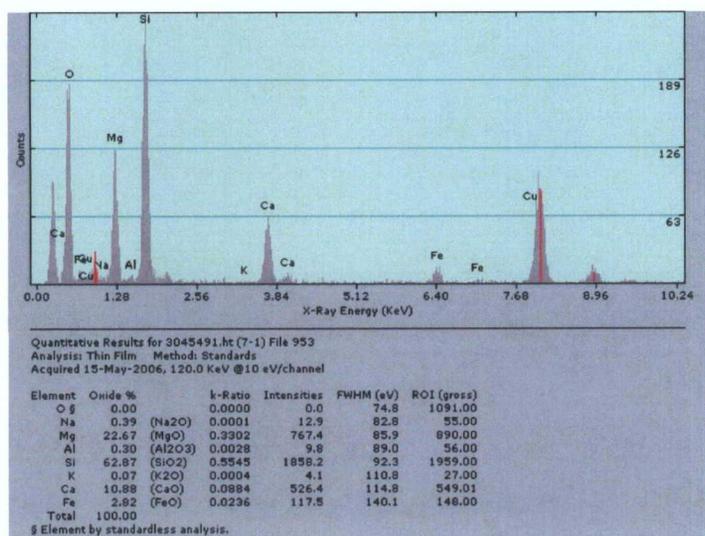
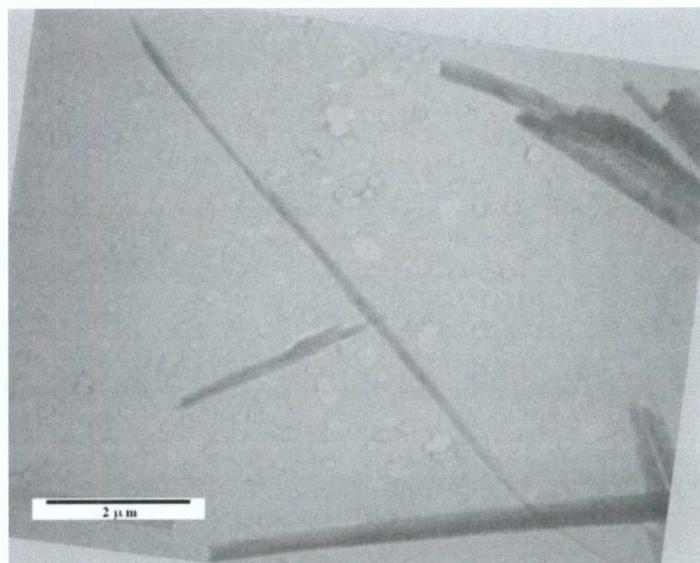
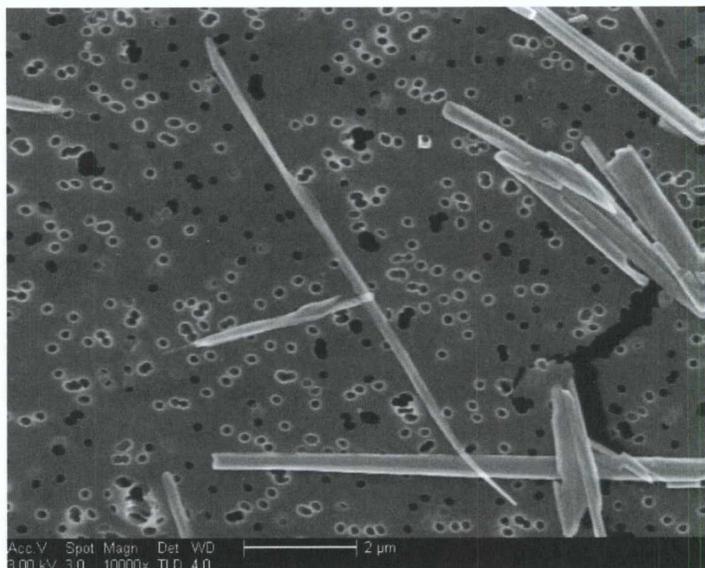
L = 33.5 W = .2 AR = 168:1

Mineral category: Amphibole

RJLG # 3045491 Field 6, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



RJLG # 3045491 Field 6, Fiber 1
San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



L = 11.5 W = .15 AR = 77:1

Mineral category: Amphibole

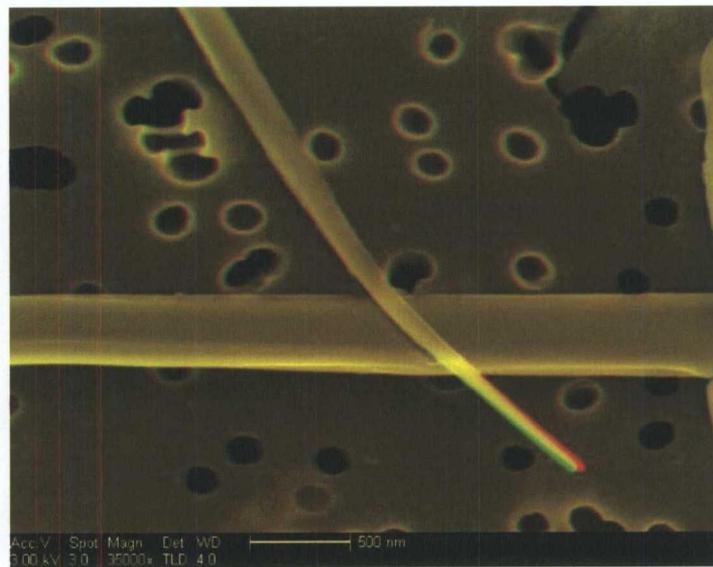
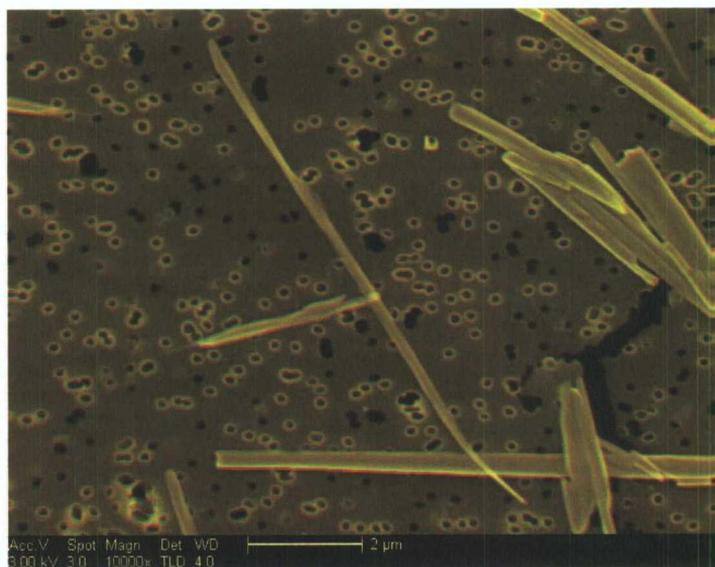
Zone 5-10

D1 5.13

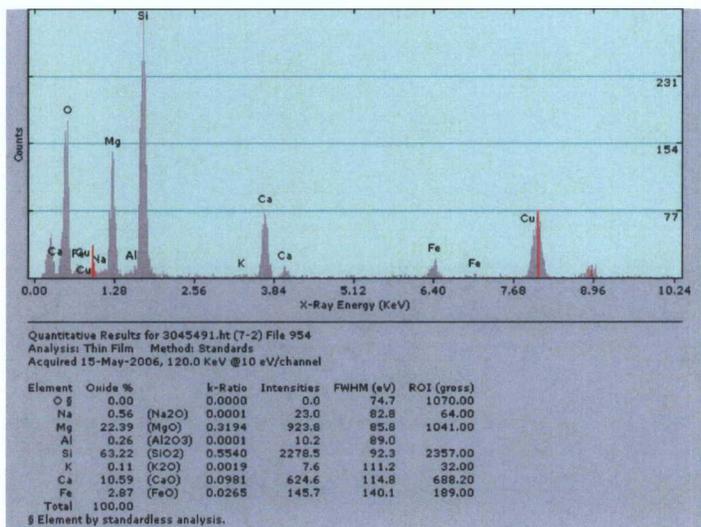
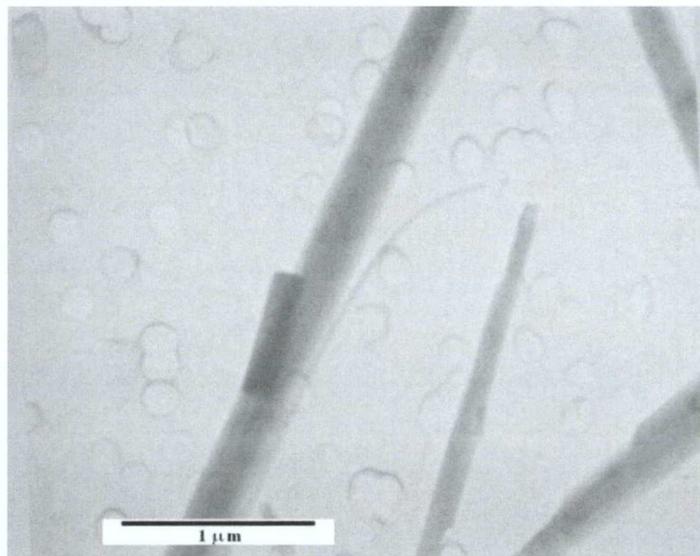
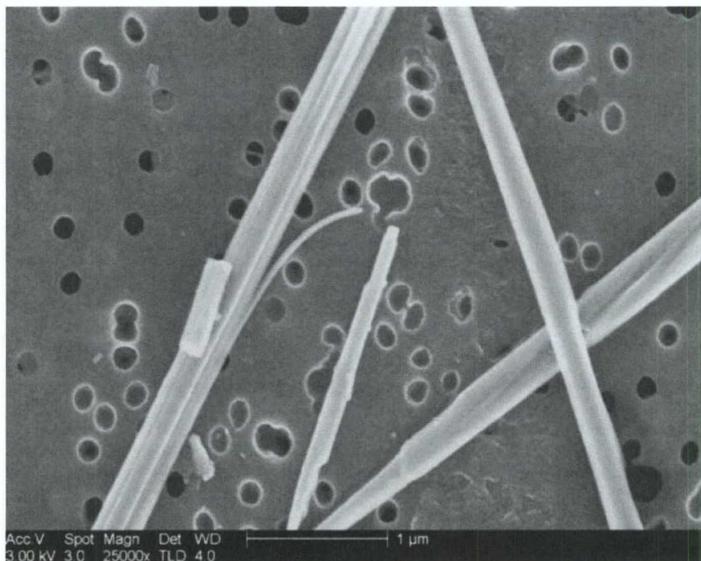
Phi 83.9

D2 3.41

RJLG # 3045491 Field 7, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



RJLG # 3045491 Field 7, Fiber 1
San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



L = 20 W = .25 AR = 80:1

Mineral category: Amphibole

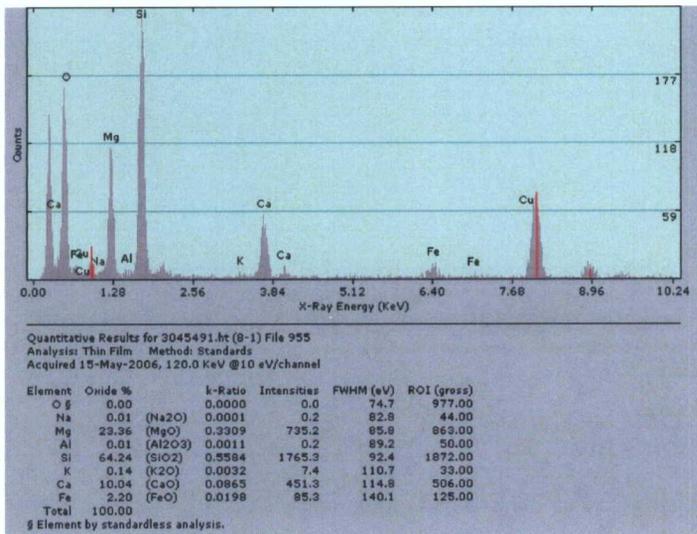
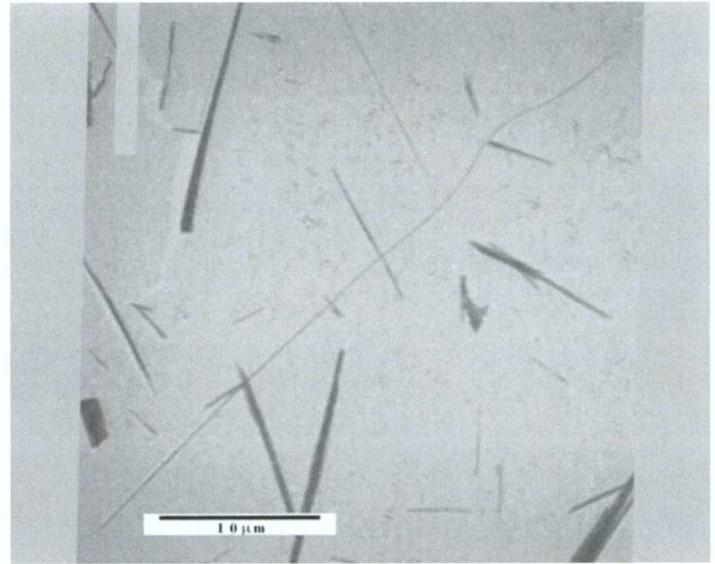
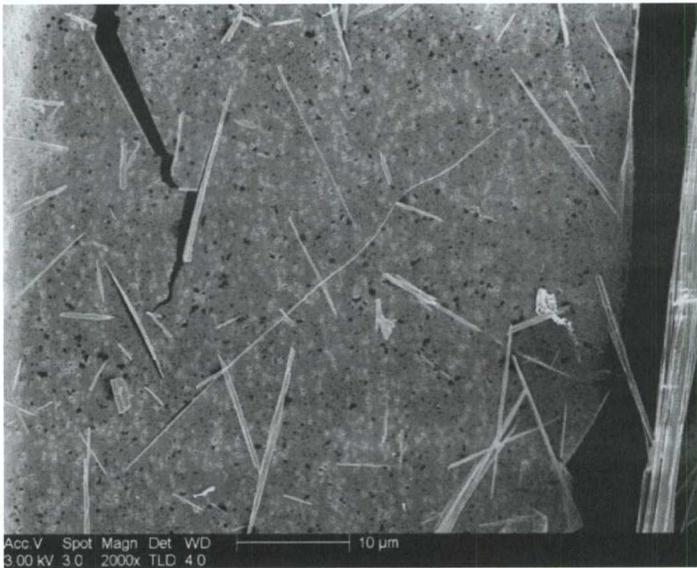
Zone 3-10

D1 5.16

Phi 81.4

D2 6.12

RJLG # 3045491 Field 7, Fiber 2
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766

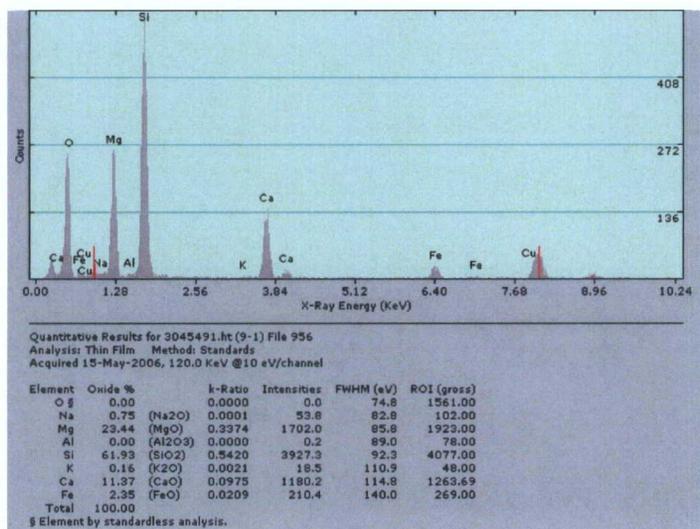
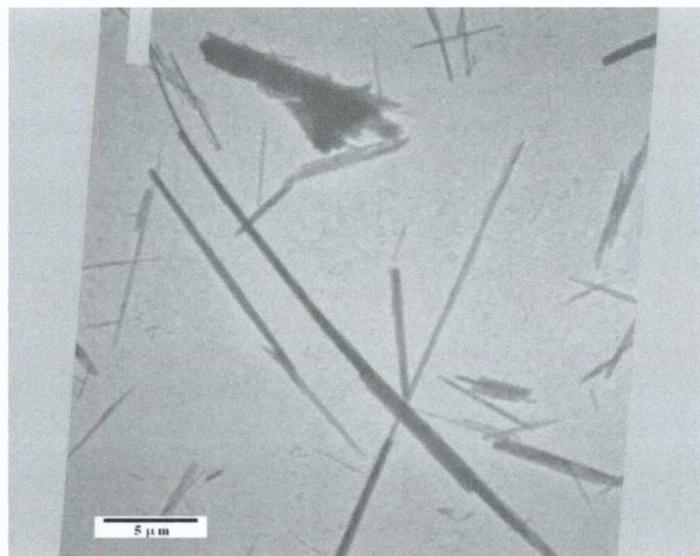


SAED not measured

L = 54 W = .15 AR = 360:1

Mineral category: Amphibole

RJLG # 3045491 Field 8, Fiber 1
San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



L = 47.75 W = .7 AR = 68:1

Mineral category: Amphibole

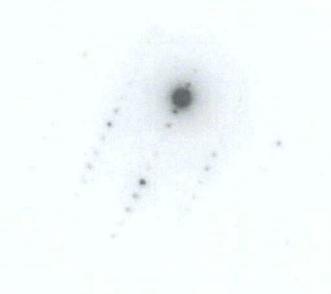
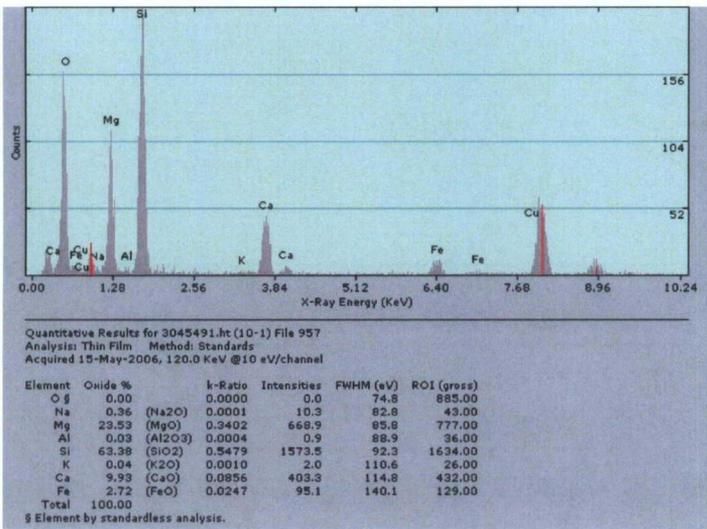
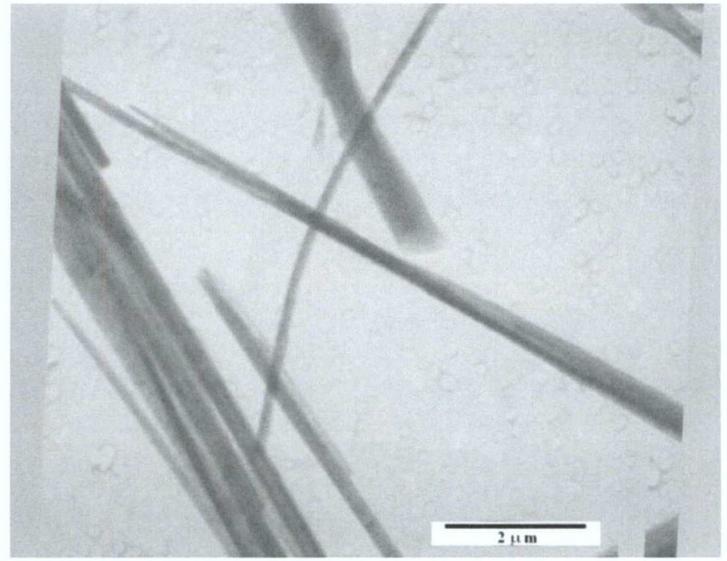
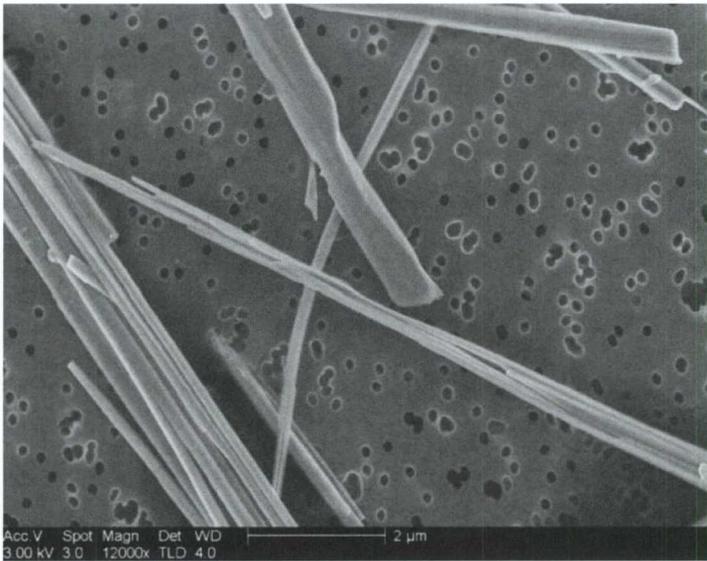
Zone 1-12

D1 8.52

Phi 89.3

D2 4.49

RJLG # 3045491 Field 9, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766



L = 8.8 W = .15 AR = 59:1

Mineral category: Amphibole

Zone 201 D1 9.2
 Phi 82.6 D2 2.66

RJLG # 3045491 Field 10, Fiber 1
 San Andreas Asbestiform Tremolite -- 38 deg 12.804 120 deg 41.766